

# Mapping the emerging technologies, business models and tourism industry cases







#### Work Package 4:

# Preliminary assistance to selected SMEs on neuromarketing and digital innovation

# D4.1 Mapping the emerging technologies, business models and tourism industry cases

**Project Acronym:** Euro-Emotur

**Project Full Title:** Euro-Emotur: The journey towards digitalisation. Thinking digital tourism through neuromarketing and emotions

Project number: 101038111

Type of Deliverable: Report

Level of Dissemination: Public

By: Haaga-Helia University of Applied Sciences

Call: COS-TOURINN-2020-3-04

Deliverable: D4.1.

Version 1.0

March

2023





HISTORY OF CHANGES				
Version	Publication Date	Change	Page	
1.0	13.04.2023	Initial version		

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#### **Table of Contents**

1.	INTRO	INTRODUCTION		
	1.1.	Digitalisation and SME's in Tourism		
	1.2.	Euro-emotur project	3	
	1.3.	Structure of the Deliverable	4	
2.	Emerg	ging Technologies and Innovations	8	
3.	Touris	sm Trends in Post- Pandemic Era	9	
4.	Touris	m Industry Cases and Business Models	10	
5.	Neuro	marketing and Tracking Consumer Behavior	12	
6.	. Al and Tourism			
7.	. AR/VR/ XR/MR			
8.	Robot	ics and Automation	15	
9.	9. Summary			
Re <sup>.</sup>	References			



#### 1. Introduction

This deliverable, D 4.1 Mapping the emerging technologies, business models and tourism industry cases, is provided by the Euro-emotur project. Euro-emotur aims to support tourism SMEs in the uptake of digitalisation and innovation by fostering their skills, knowledge and network.

The deliverable is aiming to increase digital awareness by introducing emerging technologies and trends in tourism with the viewpoint of SME tourism companies. The main emphasis is to identify tourism industry cases and business models that tourism companies can use in their journey to digitalisation and innovation. Euro-emotur project is working with wide area of solutions and technologies that can help tourism SME s to succeed in marketing and product development. Neuro-marketing is the main area of Euro-emotur. It has been forecasted, that neuromarketing with Artificial intelligence might change the interaction between humans and machines and lead to the development of new brain-computer interfaces that facilitate direct communication between the human brain and an external device and the creation of new services and innovations in the tourism industry.

In addition to neuromarketing, emerging technologies of virtual reality (VR), augmented reality (AR), extended reality (ER), Artificial Intelligence and robotics are presented in this report. Also tourism trends after Covid - 19 pandemia and technological innovations are presented.



Figure 1. Emerging Trends and Technologies

The aim of this report is to give inspiration to the tourism SME´s, so approach is practical and main part of the report is a collection of business



cases and examples of emerging commercial solutions presented in the categories named in figure 1.

The deliverable has been developed by doing literature studies of ongoing trends, technology reports and research materials. Information and examples have been collected from Euro-emotur partners and their stakeholders. In co-operation with the world's largest community, TrendHunter several innovative examples were selected. Trendhunter leverages big data, human researchers and AI to identify consumer insights and industry examples.

The aim is not to produce an exhaustive report of all possible solutions, rather give inspiration for Tourism SME 's taking steps in their digitalisation journey.

#### 1.1. Digitalisation and SME's in Tourism

Digital technology in the tourism business creates new opportunities for growth and development. It is important also for the SME's in Tourism industry to adapt to digital solutions and start taking advantage of innovative and modern technologies. In the EU, the majority of service providers in tourist destinations are small local owners. Micro and small enterprises generate about 64% of the value added of the tourism ecosystem and employ 84% of its workers. The proportion of micro and small companies is particularly high in hospitality (hotels, bars and restaurants), with many owners operating independently or under franchise from large groups. SME's in particular need examples and a clear path on how to move forward with their digitalisation path. The 'Transition Pathway for Tourism' report (European Commission 2021) also identifies many obstacles and challenges for the SME tourism companies in their path Towards Tourism 4.0 and journey to digitalisation. Some challenges are lack of adequate skills, inadequate infrastructure (communication and transport), weak links (between tourism services and other economic activities and ineffective data collection and analysis were some of the bottlenecks discussed.

Digital infrastructure as well as digital skills must be built first so that modern and emerging technologies or potential services can be adopted in the tourism sector. Especially in tourism, SMEs may lack the basic digital infrastructure needed to implement more digital business processes or consider developing digital tourism services. Tourism actors also need both basic and advanced digital skills, e.g., for using and integrating digital tools in work processes or developing and implementing effective and better-quality services to meet the changing demand and expectations of the customers. Furthermore, tourism actors need skills to understand more deeply the elements of sustainability in the tourism sector, e.g., for utilising new business potential with increasingly environmentally conscious customers. (European Commission 2020).



#### 1.2. Euro-emotur project

Euro-emotur project's main goal is to boost the uptake of digitalization and innovation by tourism SMEs through transnational cooperation and capacity building. This will lead to generating a digital innovation ecosystem hub and improving their competitiveness (tourism SMEs) in the market through digitalization. Euro-emotur project represents an opportunity for SMEs. More specifically, 100 tourism SMEs supported by this project will benefit from:

- Advances in developing a new mindset to face the digital ecosystem, working with a transnational and innovative approach.
- Upskill and reskill, developing new digital competencies.
- Customize visitor experience by adapting digital content through new technology possibilities and mentoring from tourism labs (BSO).
- Improve competencies to succeed in direct marketing services both B2C and B2B, using neuromarketing techniques (virtual reality, augmented reality, face coding, eye tracking, EEG, and physiological analysis) and a scientific emotional approach.
- Drafting new products and services in the digital ecosystem.
- Drafting new business models adapted to the European digital ecosystem.
- Fostering innovative solutions through public-private partnerships and cooperation, connecting SMEs (including peer- to-peer learning), technology suppliers, tourism labs, and regions within the tourism ecosystem.
- Developing structural connections within the European tourism ecosystem through the Euro-emotur digital hub.

#### 1.3. Structure of the deliverable

The deliverable consists of two parts. The main part is a visual document, a presentation with seventy (70) industry cases and technology innovations. These cases included a short description of the trend, some insights and real examples of how the trend and technology is applied. Figure 2. below is an example of digital companions. The collection of trends and innovations will be used in communication with SME ´s and other stakeholders. It will be used in webinars, meetings and also will be available in Euro-emotur website.





Figure 2. Digital companions in tourism industry

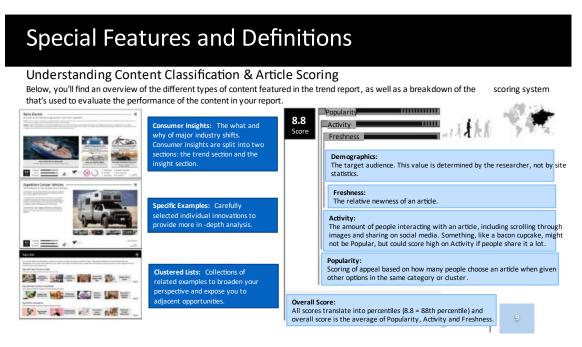


Figure 3. Features of the trend report

In addition to the trend and business case information, each example has scores. Trendhunter provides scoring for popularity, freshness and activity as well as overall score. The scores are explained in figure 3. The scores can be used to evaluate the trend by comparing in to the scores of all trends in Trendhunter database. In the activities of Euro-emotur they are additional information, but the insights and business cases are more relevant to the tourism SMEs.



The other part of the deliverable is this written report that supports the use of trend report.

#### 2. Emerging Technologies and Innovations

Emerging technologies and innovations are changing the world as we know it. From artificial intelligence and robotics to automation and metaverse, these technologies are transforming industries and opening up new possibilities for the future.

One of the most promising emerging technologies is artificial intelligence (AI). AI has the potential to revolutionize a wide range of industries, from healthcare and finance to transportation and manufacturing. With its ability to analyze large amounts of data and learn from it, AI can help us make better decisions, optimize processes, and solve complex problems.

Robotics is another area of innovation that is driving change. With the development of advanced robotics and automation technologies, we are seeing significant improvements in productivity, efficiency, and safety in industries such as manufacturing, healthcare, and logistics.

Innovation is also happening in areas such as renewable energy, biotechnology, and nanotechnology. With the development of new materials and technologies, we are seeing significant progress in these areas, which have the potential to transform the world and create new opportunities for businesses and individuals alike.

First part of mapping report consists of ten examples from various industries and figure 4. is an example how AI and robotics are working together. The aim of first part is to showcase how different technologies are already used by businesses.



#### Artistic Al Robots

OUTO-emotur | AB(8) | Harga-Halia | TRENDHUNTER

XORBIS Showcased the 'Sketcher X' Interactive Drawing Robot at CES 2023

XORBIS, a South Korean design and innovation lab, showcased the 'Sketcher X,' a humanoid robotic arm with artistic capabilities, at CES 2023. The Sketcher X is powered by an advanced artificial intelligence that can have a conversation with a human while drawing a physical image, or a sketch, of a person's face. The Sketcher X draws an image that, according to XORBIS, "reinterprets the conversation and reflects the mood on the image," meaning this is not a simple instructioned Al artist.

The Sketcher X has viable use cases in education, entertainment, and even medical fields such as psychotherapy. While the robot could be quite effective in each of these industries, XORBIS states: "The main focus is to have a smooth conversation with users through natural language to create an experience." This shows that XORBIS is taking a very human approach to its robot, while still targeting technological advancement across various industries.















In conclusion, emerging technologies and innovations are opening up new possibilities and transforming industries across the globe. As these technologies continue to develop, it is essential that we embrace them responsibly and harness their potential to create a better future for all.

#### 3. Tourism Trends in Post- Pandemic Era

In addition to digitalisation and emerging technologies, the tourism industry is affected by many current trends, phenomenon, and economic cycles. The Covid-19 pandemic affected the tourism industry very dramatically, firstly because of the lockdowns. On the other hand, the pandemic accelerated the digital transformation in every industrial sector, including the tourism industry. For example, in the tourism industry, various solutions supporting contactless processes have been widely adopted such as digital checkin/checkout, using QR codes, contact-free payments, digital keys, automation, individual takeaway meals, etc. The second part of the trend mapping presents 15 tourism trends and examples that have been recognised in the post pandemic are. Figure 5. presents insights of the tourism trends.



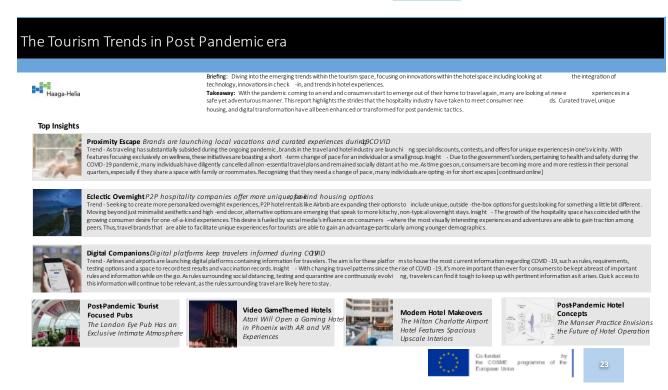


Figure 5. Insights of Tourism industry trends.

#### 4. Tourism Industry Cases and Business Models

Virtual Reality (VR) and Augmented Reality (AR) - -these technologies have already started to revolutionize the tourism industry by allowing travelers to virtually experience destinations and attractions before they visit. Artificial Intelligence (AI) is helping travel industry by providing personalized recommendations, improving customer service, and optimizing operations

The examples of these technologies are presented with more examples in parts 6. and 7. of this report.

The part of Tourism Industry Cases and Business Models- in this report present 12 examples how innovation and technologies have been implemented in the tourism industry. Figure 7. presents the insights of this cases.



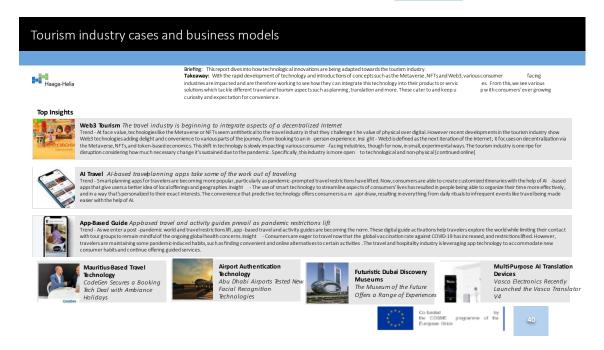


Figure 7. Tourism industry cases and business models

Even if sustainability is becoming increasingly important to travelers, in Euro-emotur- project perspective the digitalisation and technology innovations are the main content. In 2023, we may see more businesses using technology to reduce their environmental impact and promote sustainable tourism and there are examples of this in the mapping report (see figure 8).



Figure 8. Solar Energy- Capturing Tents



#### 5. Neuromarketing and Tracking Consumer Behavior

Neuromarketing is a marketing field that utilizes neuroscience techniques to study consumer behavior and decision-making processes. By combining insights from neuroscience, psychology, and marketing, it provides a deeper understanding of how consumers respond to marketing messages and make purchasing decisions. Brain imaging technologies such as fMRI, EEG, and eye-tracking are used to measure neural responses and physiological reactions to various stimuli. The insights gained from neuromarketing research can be used by marketers to design more effective advertising campaigns, product packaging, and pricing strategies that resonate with consumers on a deeper, subconscious level.

In the tourism industry, neuromarketing can be used to understand how tourists perceive prices in holiday advertisements and to measure the effectiveness of visual ads in shaping their preferences. Biometric measurement methods can also be used to analyze consumers' buying decisions in tourism. Meanwhile, many airlines and airports are incorporating biometric capabilities into their operations to improve the customer experience, despite concerns about privacy and data security. Biometrics is now considered a ubiquitous technology for security authentication, with major industries such as aviation and hospitality adopting it to offer guests a safe and secure travel experience. This mapping report presents ten examples of neuromarketing and consumer behaviour tracking. Some examples are presented in figure 9. below.

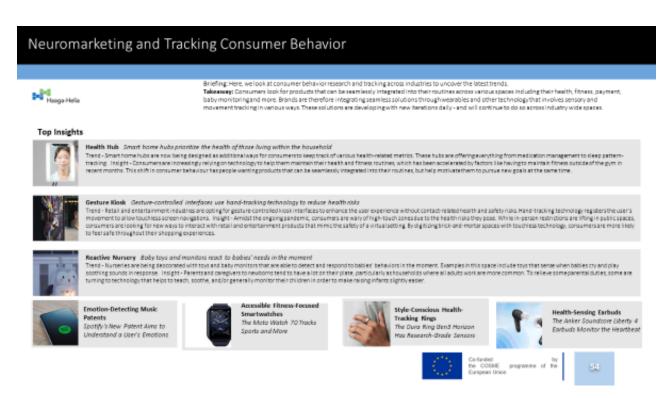


Figure 9. Neuromarketing and Tracking Consumer Behaviour insights



#### 6. Al and Tourism

Artificial Intelligence (AI) is often discussed, yet can be hard to define. In essence, it refers to computers or machines executing tasks that would typically necessitate human intelligence. This could involve learning, making decisions, or recognizing and interpreting speech. AI has been present for decades, but it is only recently that computers and machines have become advanced and reliable enough to execute complex tasks without human input. This is closely related to the concept of automation, where processes are carried out with minimal or no human input.

Many larger businesses collect and store large amounts of data. This can facilitate AI, with machines utilizing the data to perform tasks such as data analysis, problem-solving, speech translation, direct messaging, and enhancing personalization during the customer experience. The application of Artificial Intelligence (AI) within the tourism industry has become increasingly common due to its capacity to perform tasks that would traditionally require human cognitive function. This has enabled businesses to save time and money, while also potentially eliminating human error and allowing tasks to be completed quickly and at any time of the day.

Hotels and resorts, in particular, depend heavily on delivering excellent customer service in order to build their reputation, and AI technology can assist in this effort in a multitude of ways. For instance, AI can be utilized to improve personalization, provide tailored recommendations, and guarantee fast response times, even in the absence of staff.



Figure 10. Al Travel examples



The Tourism industry has seen remarkable progress in the field of Artificial Intelligence (AI), and this trend is expected to continue in 2023. At present, travellers demand expeditious and efficient operations, rather than queuing up for customer service support. AI chatbots are capable of not only streamlining this process, but also ensuring that quality and speed are maintained, thus relieving the hospitality and tourism industry of this burden. AI chatbots may soon serve as virtual travel agents, tailored to meet the individual needs of customers. The implementation of such technologies is cost-effective and brings numerous advantages, including reducing the risk of human error and helping businesses to consolidate and streamline customer services across different channels, with 24/7 availability. This mapping report presents seven tourism industry related AI examples.

#### 7. AR/VR/ XR/MR

The tourism industry has been quick to embrace virtual reality (VR) technology, and for good reason! Travellers are looking to purchase experiences rather than products, and VR offers an effective way for marketers to give them a taste of what they can expect. VR can be used to capture tourism destinations in a unique and immersive way, and can be viewed on a VR headset, computer, mobile device, or even just a regular mobile phone.

Augmented reality (AR) is still a relatively new development within the tourism industry, but it's already being used to introduce more interactive elements into hotels, attractions, museums and more, improving the overall experience. Tourists can now use AR apps to enhance physical locations and tourist attractions, too.

Extended reality (XR) or Mixed Reality (MR) is another technology being used to enhance visitors' experiences in cultural heritage attractions. XR technologies allow people to explore immersive experiences without needing separate devices.

There are nine examples of the use AR/VR/XR/MR in this report and figure 11. is one example of augmented reality.





Figure 11. Augmented Reality Monuments

#### 8. Robotics and Automation

Last part of the trend mapping report is on the topic of robotics and automation. It can be difficult to precisely define what constitutes a 'robot'. Generally speaking, a robot is a machine designed to automatically carry out certain tasks accurately. This can involve physical tasks such as part assembly in a factory, or text or speech-related tasks. While robots may be imagined as human-like androids, they can take on many different forms. They can be fully autonomous or semi-autonomous, requiring some human assistance. Modern robots incorporate a range of technologies, from collision detection to speech recognition and artificial intelligence.

For those in the travel industry, as has been presented artificial intelligence is a particularly exciting area of robotic technology. It allows for machine learning and the performance of more complex tasks that would usually require human cognitive function. Artificial intelligence is defined as the capacity of a machine to imitate cognitive functions. This can include speech recognition, problem-solving, learning from human interactions, autonomous movement, and the demonstration of logic and reasoning.

Robotic technology is becoming increasingly popular in the travel industry, due to changing consumer preferences and the desire for self-service methods. As such, robots are appealing to hotels, travel agents, and other businesses. In this mapping report seven examples of robots and automation are presented. Cleaning robot examples in figure 12. below shows different benefits of robots. These include disinfection, cost-effectiveness and sustainability benefits.

Cleaning Robots



CUTO-CMOTUT LABS HEIGHER TRENDHUNTER



Figure 12. Cleaning Robots examples from different industries



#### 9. Summary

This deliverable, Mapping the emerging technologies, business models and tourism industry cases- is a trend report for SME ´s in tourism on the latest technological advancements that are transforming the tourism industry. The report focuses on major technological innovations and tourism industry trends. Main technology area presented are Neuromarketing, Augmented Reality (AR), Virtual Reality (VR), Artificial Intelligence (AI) and Robotics and automation. In addition, tourism industry cases and business models have been presented.

Neuromarketing is a relativelyew trend that is gaining traction in the tourism industry. It involves the use of neuroscience to understand how people make decisions and respond to marketing messages. By using techniques such as eye-tracking, brain mapping, and biometric measurements, tourism companies can create marketing campaigns that resonate with travellers on a deeper level.

Artificial Intelligence (AI) is also playing a significant role in the tourism industry by providing personalized experiences for travellers. AI-powered chatbots are helping tourism companies to provide quick and efficient customer service, while also offering recommendations and suggestions based on a travellers' preferences.

Augmented Reality (AR) is revolutionizing the way people experience tourism. With AR, tourists can explore their surroundings in a more immersive way by adding digital information and graphics to the real world. Tourism companies are using this technology to provide interactive tours, enhance museum exhibits, and even create virtual fitting rooms for fashion enthusiasts.

Virtual Reality (VR) is becoming increasingly popular in the tourism industry as it allows tourists to explore destinations in a fully immersive way, even before they arrive at their destination. Tourism companies are using VR technology to create virtual tours of destinations, and even provide virtual reality experiences for travellers to enhance their overall trip.

Finally, Robots and automation are also transforming the tourism industry. From robotic concierges to cleaning robots, tourism companies are using robots to automate repetitive tasks and enhance the guest experience.

Overall, these technological trends are reshaping the tourism industry and providing new opportunities for tourism companies to improve customer experiences and increase efficiency. Companies that embrace these technologies are likely to gain a competitive advantage and attract a new generation of tech-savvy travellers.

This summary was written with the help of chatGPT to highlight how the AI can produce meaningful content. The aim of this deliverable was to give inspiration to the tourism SME ´s, so approach was selected to be practical



and main part of the report is a collection of business cases and examples of emerging commercial solutions. The deliverable is one of the tools in Euroemotur project in the journey of developing the digitalisation of tourism SME ´s in Europe.



# **ANNEX**

# **EURO-EMOTUR**

Work Package 4:

Preliminary assistance to selected SMEs on neuromarketing and digital innovation

D4.1 Mapping the emerging technologies, business models and tourism industry cases

















**Project Acronym:** Euro-Emotur

• Level of Dissemination: Public

Type of Deliverable: Report

Project Full Title: Euro-Emotur: The journey towards digitalisation. Thinking digital tourism through neuromarketing and emotions

• By: Haaga-Helia University of Applied Sciences

Call: COS-TOURINN-2020-3-04

Project number: 101038111

• Deliverable: D4.1.

4/2023

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# INTRODUCTION

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- The deliverable is aiming to increase digital awareness by introducing emerging technologies and trends in tourism with the viewpoint of SME tourism companies. The main emphasis is to identify tourism industry cases and business models that tourism companies can use in their journey to digitalisation and innovation. Euro-emotur project is working with wide area of solutions and technologies that can help tourism SME's to succeed in marketing and product development. Neuro-marketing is the main area of Euro-emotur. It has been forecasted, that neuromarketing with Artificial intelligence might change the interaction between humans and machines and lead to the development of new brain-computer interfaces that facilitate direct communication between the human brain and an external device and the creation of new services and innovations in the tourism industry.
- In addition to neuromarketing, emerging technologies of virtual reality (VR), augmented reality (AR), extended reality (ER), Artificial Intelligence and robotics are presented in this report. Also tourism trends after Covid 19 pandemia and technological innovations are presented.

# Table of contents









Emerging Technologies and Innovations



Neuromarketing and tracking Consumer Behavior



**Tourism Trends in Post-Pandemic Era** 



Al and Tourism



**Tourism Industry Cases** 



AR/VR/ XR



**Tourism Industry Business Models** 



**Robotics and Automation** 



# How did we do this?

- The aim of this report is to give inspiration to the tourism SME's, so approach is practical and main part of the report is a collection of business cases and examples of emerging commercial solutions presented in the categories named in figure 1.
- The deliverable has been developed by doing literature studies of ongoing trends, technology reports and research materials. Information and examples have been collected from Euro-emotur partners and their stakeholders. In co-operation with the world's largest community, TrendHunter several innovative examples were selected. Trendhunter leverages big data, human researchers and AI to identify consumer insights and industry examples.
- The aim is not to produce an exhaustive report of all possible solutions, rather give inspiration for Tourism SME's taking steps in their digitalisation journey.



Mapping the emerging technologies, business models and tourism industry cases

LAB8 Trends









# Introduction

This Report explores how technologies are shaping and changing tourism industries.

This report dives into how technological innovations are being adapted towards the tourism industry.

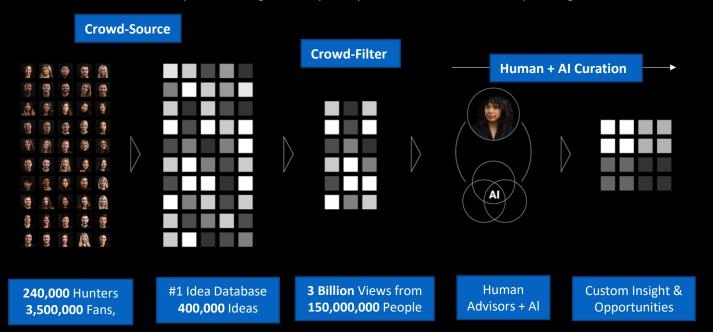
With the rapid development of technology and introductions of concepts such as the neuromarketing, AI, AR/VR/XR, Robotics tourism industries are impacted and are therefore working to see how they can integrate this technology into their products or services.

From this, we see various solutions which tackle different travel and tourism aspects such as planning, translation and more. These cater to and keep up with consumers' ever growing curiosity and expectation for convenience.



TrendHunter has built the largest trend platform, leveraging crowd-sourcing, crowd-filtering, Al and humans to cut through the noise and uncover opportunity **faster**!

LAB8 Customizes a trend report utilizing the Hospitality Barometer four times a year together with TrendHunter.



# Special Features and Definitions

#### **Understanding Content Classification & Article Scoring**

Below, you'll find an overview of the different types of content featured in the trend report, as well as a breakdown of the scoring system that's used to evaluate the performance of the content in your report.



Consumer Insights: The what and why of major industry shifts.
Consumer Insights are split into two sections: the trend section and the insight section.



**Specific Examples:** Carefully selected individual innovations to provide more in-depth analysis.

Top Lists

| Compared to the c

**Clustered Lists:** Collections of related examples to broaden your perspective and expose you to adjacent opportunities.

**8.8** Score



#### **Demographics:**

The target audience. This value is determined by the researcher, not by site statistics.

#### Freshness:

The relative newness of an article.

#### Activity:

The amount of people interacting with an article, including scrolling through images and sharing on social media. Something, like a bacon cupcake, might not be Popular, but could score high on Activity if people share it a lot.

#### Popularity:

Scoring of appeal based on how many people choose an article when given other options in the same category or cluster.

#### **Overall Score:**

All scores translate into percentiles (8.8 = 88th percentile) and overall score is the average of Popularity, Activity and Freshness.

9

# Trends & Insights Overlooked Opportunities & Examples

The global consumer trends and insights highlight the what and why of major industry shifts.

#### They are split into two sections:

- 1. the trend section, which identifies a new opportunity in a given industry, and
- the insight section, which explores the specific target customer's motivations, attitudes, beliefs and ultimately tension behind that opportunity.

They are built on a foundation of Trend Hunter's crowdsourced trend examples, clustered together by underlying patterns.

Each trend relates to one or more of 18 megatrends defined by TrendHunter. The megatrends are categorized under 6 patterns of opportunity (A-F)

#### A) Acceleration Prosumerism B) Cyclicality Nostalgia 1. Perfecting One Thing From user-generated content 1. Retro . Nostalgia 00 to maker culture, todays 38 2. Aspirational icon customers are content 3. Economic. Seasonal especially with respect to one's 3. Exaggerated Feature 4. Repetitive Cycles creators and experts formative years 4. Reimagined Solution Youthfulness Catalyzation Naturality Businesses have taken a role The desire for sustainable The world is becoming more We are entering a of accelerating the personal playful, driven by generations transformative new era, denoted development of customers by an exponential growth in Boomers who desire a more data, rams and intelligence. active, enriched life D) Redirection C) Reduction Instant Entrepreneurship Tribalism 1. Refocusing 1.Specialization New services make it easier than Allegiant groups are more 2. Reversing 2. Fewer Layers + Efficiency readily formed around specific ever to conceptualize, fund 3. Crowdsourcing interests, causes and even launch and companies 4.Gamifying 4. Subscription companies. Experience Simplicity Curation Gamification In a fast-paced, cluttered world In a world abundant with Hyper-targeted offerings, The application of game dynamics stuff: experience becomes a simplicity stands out, resulting in services, subscriptions and to real-world problems results in focused businesses & clean more important currency and recommendations to simplify a world that's more competitive life priority. design. lives with better things. and engaging E) Convergence Multisensation F) Divergence Authenticity 1. Combining + Layering 1. Personalization. Customization Ä Tech. AR and interactive 2. Adding value 2. Status + Belonging experiences are raising our 3. Co-Branding expectations in the realms of 3. Style + Fashioning 4. Physical + Digital 4. Generational Rebellion entertainment, retail -even food. Co-Creation Hybridization Personalization Many-to-Many Lines are blurring as business Businesses, products, H services and customers are models, products and services increasingly co-creating an merge to create unique interdependent world. concepts and experiences

## Eye-Tracking Sleep Masks

# CUTO-CMOTUT LABS | Haaga-Helia TRENDHUNTER





#### SomaSleep is a CES 2023 Innovation Awards Honoree

SomaSleep is a first-of-its-kind sleep mask and a CES 2023 Innovation Awards honoree that's on a mission to help people experience better nights of rest. This eye-tracking sleep mask is designed for data collection so that rapid eye movements can be monitored for the purposes of helping people gain new insights into their sleep stages, the quality of their sleep and disruptions.

Sleep problems impact billions of people and REM is vital for learning and memory, and it can be disrupted by everything from snoring and back problems to medication and neurological illnesses. Armed with new information on how they sleep, eye-tracking mask users will experience a new way to take control of their sleep at home and on the go.





Popularity Activity Freshness





9 Related 9.786 Total Clicks URL: Hunt.to/494756



## Guarding Humanoid Robots

# CUTO-COMOTUR LABS | Haaga-Helia





#### EvoGuard is a Smart Security Solution at CES 2023

ADT Commercial unveiled EvoGuard as an intelligent autonomous guarding solutions brand at CES 2023 in Las Vegas, which will help to address ongoing labor shortages, enhance corporate security programs and more. ADT Commercial is developing a humanoid robot with robotics company Halodi Robotics and EvoGuard will make the most of artificial intelligence and augmented reality.

Dan Bresingham, President, Commercial at ADT, said "Given the trends we've seen in recent years and the challenges our customers are facing in keeping their guard forces adequately staffed, we recognized an incredible opportunity to usher in a new era in guarding through technology." Armed with this technology, organizations will be able to automate routine tasks in a cost-conscious way, capture evidence of potential disturbances and rapidly respond to dangerous scenarios.











6 Related 5.478 Total Clicks URL: Hunt.to/496123



## AI Hair Analysis Tech

# CUTO-COMOTUR LABO Haaga-Helia



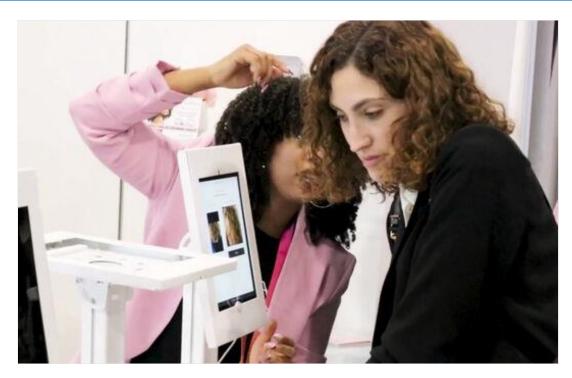


#### MYAVANA Debuted the Future of Hair Care at CES 2023

Beauty-tech company MYAVANA debuted the future of hair care at CES 2023, offering a look at Al-driven hair analysis technology to support the future of the hair care industry.

Up until now, consumers have had to rely on the 1A to 4C curl pattern chart to determine their hair type but MYAVANA saw a better way to support people with natural textures. With a Unique HairID and digital hair profiles for every consumer, as well as a Hair Strand Analysis Kit, MYAVANA helps consumers better understand the unique needs of their hair based on porosity, elasticity, overall health and more.

Thanks to artificial intelligence that has the capability to provide personalized hair care recommendations, consumers and hair care professionals alike will be supported by the Black-owned, women-led beauty technology company.





**Popularity** Activity Freshness







14

#### Total Cleaning Cordless Vacuums

# euro-emotur LAB8 Haaga-Helia TRE





#### The LG CordZero A9 Kompressor with Steam Power Mop is Feature-Rich

The LG CordZero A9 Kompressor with Steam Power Mop has been shown off as the latest version of the brand's cordless vacuum that's focused on optimizing cleaning from multiple perspectives.

The appliance features a stick vacuum construction that's capable of capturing all dust, dirt and debris within a space thanks to the Axial Turbo Cyclone technology. The unit also features the power of steam mopping to sanitize flooring without the need for detergents thanks to its ability to heat water up to 140-degrees Fahrenheit.

The LG CordZero A9 Kompressor with Steam Power Mop also features an all-in-one docking station where the appliance can be stored between uses to charge up and also be automatically emptied. The vacuum is the winner of the CES 2023 Innovation Award.









**Popularity** Activity Freshness







9 Related 3.924 Total Clicks URL: Hunt.to/497034



#### Walking Assistance Roller Skates

# CUTO-CONOTUR LABS | Haaga-Helia





#### Rollkers Debuted Its Smart Roller Skates Concept at CES 2023

The smart roller skate concept debuted first at CES 2015 and now, the design made a reappearance at CES 2023. The developer behind these "walking assistance roller skates" is the French start-up Rollkers and the silhouette is "now eight years in the making and agonizingly close to a production version." The brand is working with manufacturers to bring the innovation officially to market.

The smart roller skates have a built-in sensor, with the help of which the device can identify motion patterns—that is, whether you are running, walking, or simply standing. Rollkers claims that the design "provides the amount of thrust needed or stopping power to keep the user from going off balance," which is pretty impressive.











16



**Popularity** Activity Freshness





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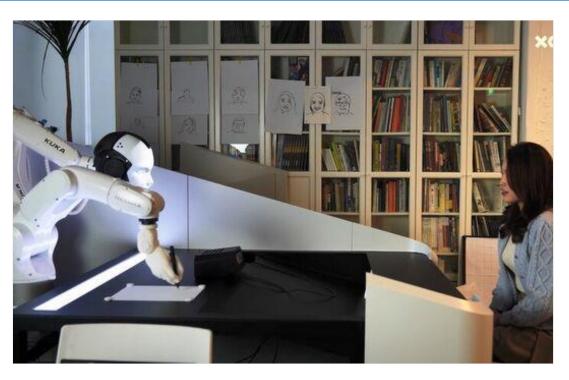




#### XORBIS Showcased the 'Sketcher X' Interactive Drawing Robot at CES 2023

XORBIS, a South Korean design and innovation lab, showcased the 'Sketcher X,' a humanoid robotic arm with artistic capabilities, at CES 2023. The Sketcher X is powered by an advanced artificial intelligence that can have a conversation with a human while drawing a physical image, or a sketch, of a person's face. The Sketcher X draws an image that, according to XORBIS, "reinterprets the conversation and reflects the mood on the image," meaning this is not a simple instruction-based Al artist.

The Sketcher X has viable use cases in education, entertainment, and even medical fields such as psychotherapy. While the robot could be guite effective in each of these industries, XORBIS states: "The main focus is to have a smooth conversation with users through natural language to create an experience." This shows that XORBIS is taking a very human approach to its robot, while still targeting technological advancement across various industries.





Popularity Activity Freshness





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## Air-Induction Showerheads





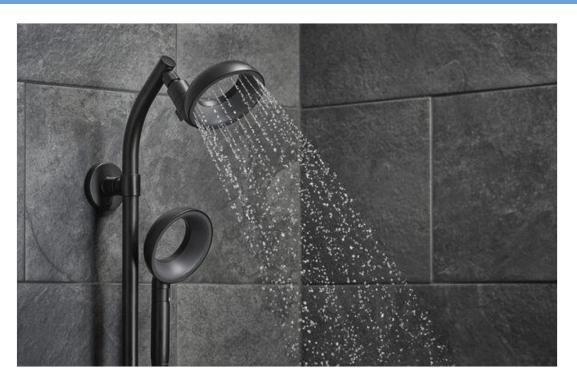


#### Kohler's Statement VES Infuses Water with Air for Bigger Water Drops

Kohler's Statement VES (Variable Eco-Spray) Showerhead and Handshower feature air-induction technology for a shower experience that fuses style, sustainability and luxury. The VES showerhead and handshower boast the ability to use up to 40% less water without compromising on rinsing coverage or warmth.

In fact, Kohler's air-induction tech fills air into the actual water droplets themselves so that they feel larger and retain heat for a longer period of time. The sleek, modern and style-forward shower components offer an easy way to upgrade bathing areas at home since they are easily installed.

This luxe shower system debuted at CES 2023, showing off Kohler's Katalyst air-induction technology for bigger drops for a more powerful spray.





Popularity Activity Freshness





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## Aromatherapy Infused Shower Pods

# CUTO-COMOTUR LABS | Haaga-Helia





#### Kohler's Sprig Shower Infusion System Turns into a Spa

Kohler unveils its new Sprig Shower Infusion System during CES 2023, which is an all-new aromatherapy shower infusion pod that transforms the shower into a spa. It is able to attach to almost any showerhead that is paired with Sprig Shower Pods. Once the shower is turned on, the pods infuse the water stream with a plethora of scents.

This includes calming lavender or camomile or relaxing scents of eucalyptus. It also features ingredients that are meant to be food for the skin as well, including sodium and hyaluronic acid. It is noted by Kohler that all of the pods are safe to use on the entire body and they should run for "several minutes."





Popularity Activity Freshness





1 Related 4.343 Total Clicks URL: Hunt.to/495663

## Artful Multifunctional AC Systems







#### LG Electronics Launches the ARTCOOL Gallery Air Conditioner

LG Electronics introduces its latest version of the ARTCOOL Gallery air conditioner during CES 2023 in Las Vegas. Now, the South Korean technology company unveils a look at compact design with a bright LCD screen measuring out to 27 inches. It showcases a variety of artwork that can be altered based on the current season or one's mood. The AC unit itself is powered by a Dual Inverter compressor that uses up to 70% less power than traditional home air conditioners.

LG describes the new design, stating that "On a bright LCD screen bordered by a simple, yet sophisticated frame, the ARTCOOL Gallery gives users the impression they are looking at a framed work of art rather than an advanced LG air conditioner."





Popularity Activity Freshness







8 Related 1.762 Total Clicks

## **Artful Air Conditioners**

# CUTO-CONOTUR LABO Haaga-Helia





#### The LG ARTCOOL Gallery Air Conditioner Will Be Unveiled at CES 2023

Air conditioning units are often heavy, clunky and unappealing to look at but the LG ARTCOOL Gallery air conditioner is here to set itself apart from air conditioners of the past. This innovation from LG Electronics will be coming to CES 2023 and it's designed to display personalized content to match any room using the LG ThinQ app. This energyefficient cooling and heating solution makes the most of LG's DUAL Inverter Compressor and 3-way indirect airflow with AI Dry.

The unit itself takes the form of a simple yet sophisticated frame and it completely disguises air conditioning functions as a work of art.

As exemplified by fridges, televisions and other large fixtures of the home, consumers are investing in versions of these products that are more artful and suited to expressing the unique qualities of their home style.





Popularity Activity Freshness







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#### The Tourism Trends in Post Pandemic era



Briefing: Diving into the emerging trends within the tourism space, focusing on innovations within the hotel space including looking at the integration of technology, innovations in check-in, and trends in hotel experiences.

**Takeaway:** With the pandemic coming to an end and consumers start to emerge out of their home to travel again, many are looking at new experiences in a safe yet adventurous manner. This report highlights the strides that the hospitality industry have taken to meet consumer needs. Curated travel, unique housing, and digital transformation have all been enhanced or transformed for post pandemic tactics.

#### **Top Insights**



#### **Proximity Escape** Brands are launching local vacations and curated experiences during COVID-19

Trend - As traveling has substantially subsided during the ongoing pandemic, brands in the travel and hotel industry are launching special discounts, contests, and offers for unique experiences in one's vicinity. With features focusing exclusively on wellness, these initiatives are boasting a short-term change of pace for an individual or a small group. Insight - Due to the government's orders, pertaining to health and safety during the COVID-19 pandemic, many individuals have diligently cancelled all non-essential travel plans and remained socially distant at home. As time goes on, consumers are becoming more and more restless in their personal quarters, especially if they share a space with family or roommates. Recognizing that they need a change of pace, many individuals are opting-in for short escapes [continued online]



#### **Eclectic Overnight** P2P hospitality companies offer more unique, one-of-a-kind housing options

Trend - Seeking to create more personalized overnight experiences, P2P hotel rentals like Airbnb are expanding their options to include unique, outside-the-box options for guests looking for something a little bit different. Moving beyond just minimalist aesthetics and high-end decor, alternative options are emerging that speak to more kitschy, non-typical overnight stays. Insight - The growth of the hospitality space has coincided with the growing consumer desire for one-of-a-kind experiences. This desire is fueled by social media's influence on consumers—where the most visually interesting experiences and adventures are able to gain traction among peers. Thus, travel brands that are able to facilitate unique experiences for tourists are able to gain an advantage—particularly among younger demographics.



#### **Digital Companions** Digital platforms keep travelers informed during COVID-19

Trend - Airlines and airports are launching digital platforms containing information for travelers. The aim is for these platforms to house the most current information regarding COVID-19, such as rules, requirements, testing options and a space to record test results and vaccination records. Insight - With changing travel patterns since the rise of COVID-19, it's more important than ever for consumers to be kept abreast of important rules and information while on the go. As rules surrounding social distancing, testing and quarantine are continuously evolving, travelers can find it tough to keep up with pertinent information as it arises. Quick access to this information will continue to be relevant, as the rules surrounding travel are likely here to stay.



Post-Pandemic Tourist-Focused Pubs The London Eye Pub Has an Exclusive Intimate Atmosphere



**Video Game-Themed Hotels** Atari Will Open a Gaming Hotel in Phoenix with AR and VR Experiences



Modern Hotel Makeovers The Hilton Charlotte Airport Hotel Features Spacious Upscale Interiors



#### Post-Pandemic Hotel Concepts

The Manser Practice Envisions the Future of Hotel Operation



# CUTO-CONOTUR LABO Haaga-Helia





#### Brands are launching local vacations and curated experiences during COVID-19

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Insight - Due to the government's orders, pertaining to health and safety during the COVID-19 pandemic, many individuals have diligently cancelled all non-essential travel plans and remained socially distant at home. As time goes on, consumers are becoming more and more restless in their personal quarters, especially if they share a space with family or roommates. Recognizing that they need a change of pace, many individuals are opting-in for short escapes that are convenient, safe, and nearby.





**Urban Hanging** Hotels Jeep's Renegade Motel Promotes a Sky-High Staycation



Special Healthcare **Packages** Mövenpick & Bangkok Hospital Focus on Comfort

**Self-Quarantine** 



**Locally Hosted Canadian Tours** A Free Contiki Adventure Trip Can Be Won Through This Contest



**Hotel Promotions** Hotels.com is Offering a 'Get A Break Rate' for Feuding Couples

Solitude-Themed



**Popularity** Activity

Freshness

















#### Hospitality businesses are partnering with science experts to boost experience

Trend - Luxury travel brands are known to rely on unique activities to attract travelers and, most recently, the emphasis has fallen on science-backed experiences that combine education and wonder. Hotels are partnering up with scientists and experts to deliver involved and collaborative explorations of surrounding nature.

Insight - When going on vacation, contemporary consumers often look for activities that they can enjoy at their destination and much of this search is motivated by curiosity and the need to escape from the mundane. In this space, many are prioritizing activities that will allow them to learn and/or experience something new. This demand is usually driven by a desire to enrich one's life and when this is satisfied, consumers feel inspired and energized.



**Massive Hotel Aquariums** Four Seasons Resort Hualalai Brings New Experiences to the Fore



**Educational Stargazing Hotel Experiences** Hyatt Regency Maui Resort and Spa Boasts a New Package



**Stargazing Hotel Experiences** The Kimpton Vero Beach Hotel & Spa Offers Stargazing on the Sea



**Adventure-Encouraging Experiences** Hyatt Hotels Corporation Announces 40+ Unique 'Explor-cations'



Popularity Activity















## **Eclectic Overnight**

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**Expressive Rainbow-Inspired Abodes** Big Bit is a Whimsical Rentable Apartment in Margate Old Town



**Overnight Travel Experiences** Airbnb Just Launched 'Airbnb Adventures' for **Ambitious Travelers** 



**Overnight Museum Stays** Airbnb is Allowing Two People to Spend the Night at the Louvre



Rental Promotions The Oscar Mayer Wienermobile is Available

for Rental on Airbnb



**Supersized Potato** Hotels You Can Stay Inside a Giant Potato Airbnb in Boise, Idaho



Popularity Activity Freshness









25

## Hyper-Localized Tourism

# CUTO-CONOTUR LABS | Haaga-Helia





#### Consumers are staying close to home when planning trips

Trend - Amid the COVID-19 pandemic, consumers are flocking to local tourist attractions as a way to enjoy the landscape in their own country. These include everything from drive-in music festivals to local tours and hotel visits.

Insight - With social distancing measures still being recommended by healthcare professionals, and enforced in many countries, consumers are unable to travel in the way they could prepandemic. The pursuit of fun has prompted many consumers to explore local attractions and take leisure trips as a way to elevate boredom and safely enjoy time with family and friends.



#### **Social Distancing Parks**

Precht's Maze-Like Outdoor Park Uses Tall Hedges to Encourage Separation



## Air Circulation and Sanitization



#### Safety-Focused Museum Toolkits

Isometric Studio Has Released Visual Guidelines for Post-COVID



#### Safety-Focused Theme Parks

Legoland Florida Resort is Ending Its Nearly Three-Month Shutdown









### Post-Pandemic Tourist-Focused Pubs

# EURO-EMOTUR LABS Haaga-Helia TRENDHUM





#### The London Eye Pub Has an Exclusive Intimate Atmosphere

The London Eye Pub opened atop the world-famous tourist attraction offering guests unparalleled views of the London skyline alongside a couple of rounds of drinks. The pub itself has a refined esthetic that features rich, wooden furniture accented by red cushioning and decorated with flowers. The pub also has a dartboard for casual entertainment. Given the attraction's 443-foot height and all-glass exterior, the London Eye Pub allows guests to enjoy a 360-degree view of the city.

Access to the London Eye Pub is available through a 30-minute package which includes two drinks per guest and a souvenir enamel gin cup. The bar offers Beefeater Gin as well as craft beer and wine. Experiences in the London Eye Pub can be booked on the London Eye website.

















## Luxury Hotel Sleep Clinics

# CUTO-CONOTUR LABS | Haaga-Helia





#### The Mandarin Oriental Geneva Offers Diagnostic Sleep Clinic Packages

The Mandarin Oriental Geneva launched an innovative new initiative to address sleep problems through its sleep clinic hotel packages. The 3-day package offers luxurious accommodations to two guests that include access to amenities such as daily credit for the hotel's restaurant and room service, complimentary breakfasts, and selections of herbal teas and pillows.

The Mandarin Oriental Geneva's sleep package, developed with the CENAS sleep clinic, provides one guest with a one-night stay in a VIP suite for the sleep test as well as round-trip transportation to and from the clinic. During guests' stay, they can use the hotel's extensive wellness resources, including a gym, sauna, and spa. At the end of their stay, the guest who underwent the sleep clinic will receive a sleep report and diagnosis based on their results. The Mandarin Oriental Geneva's new product offers consumers an essential health service packaged within a lavish getaway.



















## Post-Pandemic Hotel Concepts

# euro-emotur LAB8 | Haaga-Helia TREA



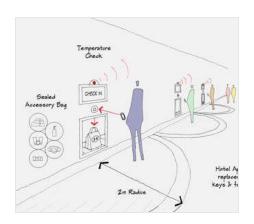


#### The Manser Practice Envisions the Future of Hotel Operation

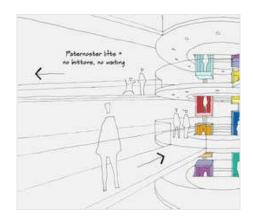
UK architecture studio The Manser Practice has released a design concept for the post-pandemic hotel, creating a blueprint for what hospitality businesses might need to consider in the future when COVID-19 restrictions are lifted and people begin to travel again.

The Manser Practice emphasizes that post-pandemic hotels will embrace touchless access and will limit in-person services like receptionists, for example. A key concern for guests will be cleanliness and the studio goes as far as to suggest that consumers will demand "one-way systems and larger rooms with inbuilt gyms."

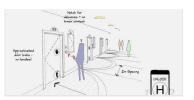
In the near future, however, the post-pandemic hotel needs to focus on limiting interaction between staff and guests, and it can do so by implementing "touchless check-in with temperature checks, [as well as] doors [that can be] opened using smartphones."





















# Sleep Spa Hotels

# CUTO-CONOTUR LABS | Haaga-Helia TRENDHUI





#### Hästen Created a Destination That Emphasizes Health & Wellness Through Sleep

Swedish bed maker Hästen created a Sleep Spa Hotel with Portugal's O Valor do Tempo luxury group so that people can experience high-quality rest like never before. The experience puts an emphasis on health and wellness through sleep and it spotlights "the world's best mattresses to aid both physical and mental well-being."

The opulent Sleep Spa goes above and beyond providing guests with comfortable places to sleep, as there are services like Bed Talks that help to provide education on sleeping positions and more. Those who love to invest in quality rest will be delighted by pillow menus, curated music playlists and in-room channels with videos for sleep health. At the hotel, each room is unique and provides a restful experience for the mind and body.













## Ethereal Eco-Conscious Oceanic Hotels







#### The Anthénea Floating Hotel Suite Offers Luxury Amenities

The Anthénea floating hotel suite is an ethereal accommodation for travelers seeking to enjoy time away that is luxurious, relaxing and eco-conscious. The floating suite is appointed with all the essential amenities that guests would expect to have in their accommodations including tranquil living space, a cozy bed, premium bathroom amenities and ample outdoor space. The unit features a covered sundeck on the roof that's perfect for enjoying with friends or for watching the sunset, while the exterior sides of the suite are accented by a deck that runs around the entirety of the unit for lounging out of the water.

The Anthénea floating hotel suite is the design work of Jean-Michel Ducancelle of Anthénea and boasts a solar-powered design that also has certified black and gray water stations.





















## Travel-Friendly Power Stations

# CUTO-COMOTUR LABO Haaga-Helia TRENDHU





#### The 'COMBOKIT I' Portable Power Station Has a 620Wh Capacity

The 'COMBOKIT I' portable power station is a travel-friendly solution for users looking to stay connected when heading out to their favorite locations. The unit boasts a 620Wh capacity and is equipped with a total of nine outputs to work seamlessly with any appliance or device. The compact design of the battery pack means it's ready to be carried anywhere, while the wear-resistant, dirt-resistant and weather-resistant design means it's ready to withstand exposure to the elements.

The 'COMBOKIT I' portable power station can be quickly recharged in as little as 99-minutes and is also compatible with solar panels for off-grid use. The power station comes in white and black finish options, and responds to the ever-increasing need for outdoor-ready power solutions.















## Post-Pandemic Airplane Cabins







#### The 'Pure Skies' Airplane Cabin Design Imagines the Future of Travel

The 'Pure Skies' airplane cabin design has been developed by PriestmanGoode as a rendering of how air travel could look in a postpandemic world to help enhance hygiene and reinforce passenger safety.

The cabin designs include renderings of both Economy Class and Business Class, which features a number of innovative materials and the latest technologies for enhanced comfort. Pure Skies Zones is a rendering of Economy Class with dividing screens every other row for an enhanced feeling of personal space, while Pure Skies Rooms imagines Business Class with a fully enclosed space that's paired with full-length curtains.

The 'Pure Skies' airplane cabin design highlights smooth lines and surfaces that are easier to clean along with UV-C technology to eradicate germs between flights.



























#### The Filter Club Combines Work, Wellness, and Socialization

This private lifestyle club, dubbed the Filter Club, is located in Philadelphia, Pennsylvania. Designed by M-Rad, the club is owned by David Gustadt, who drew from his experience in hospitality. He teamed up with other industry workers to create a 136,000 square foot, leadingedge technology lifestyle space with his prior knowledge.

The space is an intersection between work, wellness, and social in a modernist ambiance. Filter Club takes the place of the former Marketplace Design Center while retaining the structure's historic exterior. Featuring 14 expansive guest rooms, the club boasts stunning interior finishings and designs, including collaborations with Studio Frazar and Fury Design Inc. Equipped with urban gyms, travelers can choose to work in the club's flexible open workspaces or its more private office suits.































## Tourism-Focused Electric Submersibles







#### The High-Tech 'Nexus' Submersibles Offer Unrestricted Views

U-Boat Worx, the Netherlands-based submersible company that caused a literal and figurative splash with the advent of its 'Cruise Sub' tourist vessel, is now introducing an expanded and upgraded electric submersible in the form of the 'Nexus.'

Available in eight-seater and seven-seater versions, the 'Nexus' electric submersible is capable of tolerating depths of up to 200m. Equipped with a pressure-resistant lithium-ion battery pack, this submersible can handle up to 18 hours of operation on a full charge, and is said to be able to attain a top speed of three knots thanks to its array of 10 thrusters that generate 6.4 kilowatts.

Other innovations that are visible in this electric submersible include an enlarged hatch for easy entry and exit, as well as an interior design that aims to provide unhindered views in all directions.

















## **Autonomous Disinfecting Robots**

# CUTO-CONOTUR LABS | Haaga-Helia





#### LG's Disinfecting Robot Can Disinfect a Room in 30 Minutes

LG's disinfecting robot is preparing for the current world, as well as a post-COVID world, presenting an autonomous robot that can create a germ-free room in a matter of minutes. Making its debut at CES 2021, this device is set to serve as a solution to high-trafficked areas, like schools, restaurants or hotels.

According to the brand, the autonomous robot has the ability to completely disinfect a room in just 30 minutes, providing inhabitants with peace of mind. According to LG's Business Solutions USA vice president Michael Kosla, "A higher level of disinfection is going to become the new customer expectation in the new contactless economy where we now all live, work, learn, and play".











## Hygiene-Focused Travel Kits

# CUTO-CMOTUR LABS | Haaga-Helia





#### The Travel Safe Portable Hygiene Kit Was Made for Post-Pandemic Travel

A year ago, a traveler might have purchased a travel kit full of comfort-focused essentials like inflatable neck pillows and earplugs but in response to a global pandemic, travel kits are being reworked with a focus on safety and hygiene. The Travel Safe Portable Hygiene Kit was developed by Enviro-Point includes the new essentials for travel like multiple pairs of disposable gloves, a small bottle of hand sanitizer and disinfectant alcohol wipes.

The kit was created in response to the fact that even though most people aren't thinking about travel, they will want to be prepared to take personal steps to reduce the infection rate. As the new norm sees people using face masks, antibacterial wipes and hand sanitizers in daily life, travelers are being introduced new new essentials.





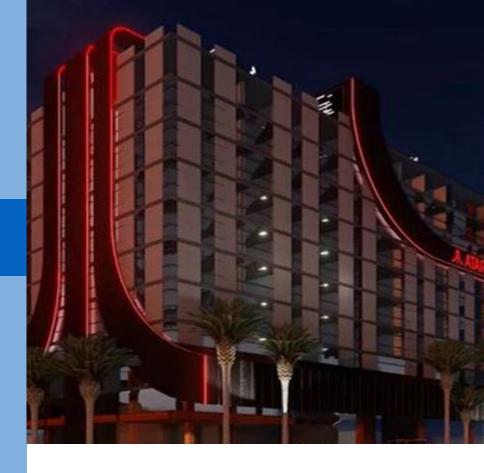








# TOURISM INDUSTRY CASES







## Tourism industry cases and business models



Briefing: This report dives into how technological innovations are being adapted towards the tourism industry.

**Takeaway:** With the rapid development of technology and introductions of concepts such as the Metaverse, NFTs and Web3, various consumer facing industries are impacted and are therefore working to see how they can integrate this technology into their products or services. From this, we see various solutions which tackle different travel and tourism aspects such as planning, translation and more. These cater to and keep up with consumers' ever growing curiosity and expectation for convenience.

#### **Top Insights**



**Web3 Tourism** The travel industry is beginning to integrate aspects of a decentralized Internet

Trend - At face value, technologies like the Metaverse or NFTs seem antithetical to the travel industry in that they challenge the value of physical over digital. However recent developments in the tourism industry show Web3 technologies adding delight and convenience to various parts of the journey, from booking to an in-person experience. Insight - Web3 is defined as the next iteration of the Internet; it focuses on decentralization via the Metaverse, NFTs, and token-based economics. This shift in technology is slowly impacting various consumer-facing industries, though for now, in small, experimental ways. The tourism industry is one ripe for disruption considering how much necessary change it's sustained due to the pandemic. Specifically, this industry is more open to technological and non-physical [continued online]



**Al Travel** Al-based travel-planning apps take some of the work out of traveling

Trend - Smart-planning apps for travelers are becoming more popular, particularly as pandemic-prompted travel restrictions have lifted. Now, consumers are able to create customized itineraries with the help of Al-based apps that give users a better idea of local offerings and geographies. Insight - The use of smart technology to streamline aspects of consumers' lives has resulted in people being able to organize their time more effectively, and in a way that's personalized to their exact interests. The convenience that predictive technology offers consumers is a major draw, resulting in everything from daily rituals to infrequent events like travel being made easier with the help of Al.



**App-Based Guide** App-based travel and activity guides prevail as pandemic restrictions lift

Trend - As we enter a post-pandemic world and travel restrictions lift, app-based travel and activity guides are becoming the norm. These digital guide activations help travelers explore the world while limiting their contact with tour groups to remain mindful of the ongoing global health concerns. Insight - Consumers are eager to travel now that the global vaccination rate against COVID-19 has increased, and restrictions lifted. However, travelers are maintaining some pandemic-induced habits, such as finding convenient and online alternatives to certain activities. The travel and hospitality industry is leveraging app technology to accommodate new consumer habits and continue offering guided services.



Mauritius-Based Travel Technology CodeGen Secures a Booking Tech Deal with Ambiance



Airport Authentication Technology Abu Dhabi Airports Tested New

Abu Dhabi Airports Tested Nev Facial Recognition Technologies



Futuristic Dubai Discovery Museums

The Museum of the Future Offers a Range of Experiences



Multi-Purpose AI Translation Devices

Vasco Electronics Recently Launched the Vasco Translator V4



Co-funded the COSME programme of European Union

## Futuristic Dubai Discovery Museums

# CUTO-COOTUR LABS | Haaga-Helia





#### The Museum of the Future Offers a Range of Experiences

The Museum of the Future has been designed by Killa Design as a destination for those curious about past, present and future technologies to help them experience them in an immersive manner. Situated in Dubai, the museum whisks guests away several decades into the future or shows them what life was like hundreds of years before to offer a range experiences across the spectrum of technological innovation. Visitors can even virtually visit the Amazon rainforest, explore the vault of life or take a look at the DNA library where thousands of species can be observed.

The Museum of the Future consists of three main areas including the building itself, the void and the green hill, which encourages guests to explore everything the experience has to offer.



























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## Airport Authentication Technology

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#### Abu Dhabi Airports Tested New Facial Recognition Technologies

Abu Dhabi Airports has introduced advanced biometric technology in order to validate a passenger's identity through facial recognition. By implementing this technology, airports can reduce waiting times for boarding passes and passport checks. Smart cameras will work to capture an image of an individual and confirm whether they are who they claim to be on their identification.

This check will clear the individual for travel without the need for human interaction at an airport desk. This information is then used before boarding, so consumers do not have to reproduce their documentation to fly. The technology is currently being tested at the United States Customs and Border Protection (CBP) facility at Abu Dhabi International Airport.

Jamal Salem Al Dhaheri, managing director and chief executive officer of Abu Dhabi Airports, said: "We are looking forward to leveraging this holistic biometric technology. The project will commence at Abu Dhabi International Airport and then transfer to the new Midfield Terminal in the future as we continue to be committed to enhancing the airport services and experience."





**Popularity** Activity Freshness







8 Related 5.633 Total Clicks URL: Hunt.to/492153



41

## Digital Duty-Free Catalogues

# CUTO-COOTUR LABS Haaga-Helia



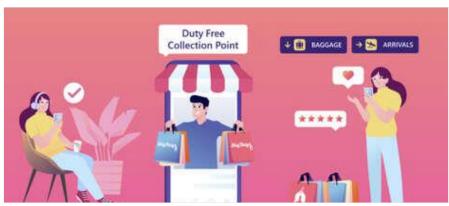


#### Tappoo Duty Free sand SkyBuys Launch an App for Fijian Travel Retail

A new partnership between Tappoo Duty Free and SkyBuys promotes duty-free sales and travel retail to international passengers as the island's tourism industry recovers. With the SkyBuys app, international travelers can browse duty-free and travel retail inventory before or during their journey. Once purchases are made, shoppers can pick them up at the store's cashier without waiting in line.

The executive director of Tappoo Duty Free, Kaushal Tappoo, discussed the importance of digital strategies when it comes to attracting new travelers. "We are proud to be working with SkyBuys," he said. "Accessing the SkyBuys platform to talk to customers in a new way and have a better understanding of their shopping behaviours will be a fantastic opportunity. We will also utilise promotions as they are a key part of our strategy, with a particular emphasis on liquor and confectionery."





**Popularity** Activity Freshness







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#### The Jackery LightTent-AIR Has its Own Eco Energy System

The Jackery LightTent-AIR is a solution for avid campers to support extended living in outdoor environments without having to leave all the comforts of home behind. The tent was shown off at CES 2023, and boasts sleeping space for four to five people and as an inflatable frame that's self-supporting with a flame-retardant and waterproof PVCcoated fabric for the exterior. A series of solar panels extend out from the body of the tent to capture up to 1,200W of power during the day, which can be stored in electricity storage modules for use beyond the daylight hours.

The Jackery LightTent-AIR could help to greatly enhance off-grid capabilities and even allows the extending solar panels to be used as awnings for expanding outdoor living space. The tent is expected to be available commercially within two years.



Popularity Activity Freshness





9 Related 71.650 Total Clicks URL: Hunt.to/496895



## Game-Based Tourism Campaigns







#### Tourism Ireland Used the Wrath of the Druids DLC for its PR Campaign

Tourism Ireland tapped game studio Ubisoft to use Assassin's Creed Valhalla's upcoming Wrath of the Druids expansion in its tourism campaign. The unlikely collaboration is showcased in a 38-second promotional video that alternately blends elements of the video game with real shots of Ireland's topography. The video is marketed towards video game fans, and younger consumers as Tourism Ireland looks to entice a new demographic. The campaign will also tap popular video game streamers to increase the brand's reach and engagement.

The game footage is taken from the Wrath of the Druids DLC, released on May 13th, 2021. The expansion to Assassin's Creed Valhalla sees the Viking protagonist sail across the sea to early Ireland. The Wrath of the Druids DLC allows players to visit iconic Irish landmarks like the Giant's Causeway, the Hill of Tara, and Dark Ages Dublin.





**Popularity** Activity Freshness







9 Related 6,817 Total Clicks URL: Hunt.to/454816



#### Video Game-Themed Hotels

# CUTO-CONOTUR LABO Haaga-Helia





#### Atari Will Open a Gaming Hotel in Phoenix with AR and VR Experiences

Atari recently announced that it will create video game-themed hotels in the United States. The first location will be located in Phoenix and it will open later in 2020. Atari also indicated that the other hotels will be located in Las Vegas, Denver, Chicago Austin, Seattle, San Francisco, and San Jose

The Phoenix location was designed by Shelly Murphy and Napoleon Smith III, from GSD Group. The video game-themed hotels will feature various VR and AR experiences, and will also be able to act as an esports venue. Napoleon Smith III spoke about the design of the hotel, "When creating this brand-new hotel concept, we knew that Atari would be the perfect way to give guests the 'nostalgic and retro meets modern' look and feel we were going for."











9 Related 17.314 Total Clicks URL: Hunt.to/421943



## Aquatic Energy-Harvesting Floating Hotels







#### The 'Eco-Floating Hotel' Captures Energy from Water Flow

The 'Eco-Floating Hotel' is a futuristic floating accommodation designed by the Hayri Atak Architectural Design Studio (HAADS) that is focused on offering a breathtaking guest experience as well as eco benefits. The hotel is designed for Qatar where it would flat on the water to offer 152 rooms for guests along with ample amenities throughout. The system would make use of a Dynamic Positioning system to stay in place, while also passively capturing energy from the natural flow of the water.

The 'Eco-Floating Hotel is further enhanced with 55 vawtau modules to capture the energy of the wind in a design-conscious manner. The hotel is expected to be ready by 2025 and identifies the ways accommodations are being created with a stronger attention to the environment.













Popularity Activity







9 Related 32.283 Total Clicks URL: Hunt.to/449084



# TOURISM INDUSTY BUSINESS MODELS







#### NextPlay Technologies Inc. Partners with Fareportal for Airline Upgrades

NextPlay Technologies, Inc., a technology solutions company, and Fareportal, a travel technology company, have partnered to integrate the NextTrip ConNextions booking system into CheapOair. This travel agency offers consumers cheap and last-minute travel deals for worldwide flights. With NextPlay's help, CheapOair will allow travelers to search, book, and confirm reservations from alternative lodging rental properties, giving them the tools necessary to book air, car, and event packages simultaneously.

"The ability to instantly confirm vacation rentals is a real step forward in convenience for CheapOair customers," stated Glenn Cusano, Co-CEO and CFO at Fareportal. "[...] The hundreds of travel agents and millions of travel customers on our platform now have more choices to create the perfect travel package and create extraordinary travel experiences."













3 Related 2.258 Total Clicks URL: Hunt.to/492071

## Accessible Charter Booking Apps







#### Aviation Marketplace FLYJETS Debuts a New Mobile App and Features

FLYJETS is debuting a new mobile app and automated scheduling system, along with the 'FLYCalendar' and 'FLYGreen' features. FLYJETS' new system allows consumers to utilize automation and technologyenabled network effects in order to show travelers affordable charter rates and "empty leg" discounts. Similar to a two-sided marketplace and search engine, the platform allows Aircraft Providers to upload flight availability information so travelers can select and book specific aircraft and routes in real time.

Additionally, through FLYGreen, flyers can purchase carbon offsets and track their FLYRewards. FLYJETS also has plans to expand the FLYGreen system to include electric flight, sustainable aviation fuel, and more ecofriendly initiatives. To manage group booking opportunities and "innetwork empty leg match-ups," the FLYCalendar feature acts as a volume aggregator.





**Popularity** Activity Freshness







4 Related 3.452 Total Clicks URL: Hunt.to/492068







#### World View Unveils its Balloon Spacecraft for Passenger Flights

World View, a space tourism company, unveiled a balloon spacecraft designed by PriestmanGoode. The capsule will fly passengers to the edge of the Earth's atmosphere using a giant balloon. The first passenger flights are set to begin in 2024.

Prospective passengers have already begun booking their slots and making deposit payments for the commercial spaceflight. The balloon spacecraft is designed to be lifted by a zero-pressure stratospheric balloon. It will rise 30,000 meters above the ground to allow passengers to see the Earth's curvature. Passengers will also view the thin blue line of the atmosphere and the darkness of the surrounding outer space. The space pod is shaped like a hexagon. It offers enough space for eight passengers and two crew members in a climate-controlled, pressurized environment.



















Popularity Activity Freshness







9 Related 7.280 Total Clicks URL: Hunt.to/474831



## Metaverse Technology Softwares

# CUro-emotur LAB8 | Haaga-Helia





#### MeetKai Debuts an Array of New Technologies at CES 2023

MeetKai, a Conversational AI and metaverse company, has officially launched MeetKai Reality, MeetKai Metaverse Editor, and the MeetKai CloudAI technologies to streamline the metaverse experience without the need for expensive hardware. MeetKai Reality is a brand-new software platform that enables people to digitize real-world environments and instantly produce 3-D reproductions using mobile devices.

Sophisticated tools, virtual construction, and space creation are made simple with the MeetKai Metaverse Editor. With the help of MeetKai's editor, anyone may create metaverse material and collaborate with others in real-time, simplifying individual and business metaverse projects.

"[...] Our vision and mission for MeetKai is to deploy these capabilities to the masses by offering groundbreaking and affordable solutions, accessible from web browsers and any device – like phones, tablets, computers, large screens, not just VR – available anywhere in the world for greater impact and better lives for all," said Weili Dai, MeetKai Co-Founder and Executive Chairwoman.





**Popularity** Activity Freshness







8 Related 2.136 Total Clicks URL: Hunt.to/495756



## Space Tourism Capsules

# CUTO-CMOTUR LABS | Haaga-Helia



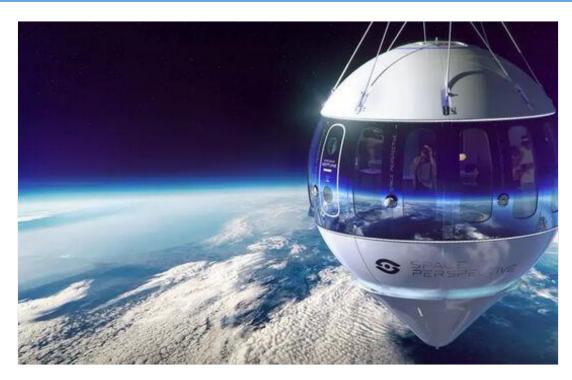


#### 'Space Perspective' is Charging \$125,000 for Trips on its Spaceship Neptune

'Space Perspective,' the Florida-based space travel company, announced the finalization of its upcoming space travel capsule, the 'Spaceship Neptune.' This is a large spherical capsule with separated compartments, each with a window looking outward into space. The small capsule will be raised up by a balloon that is many multiples larger than the capsule itself, similar to a hot-air balloon.

Space Perspective has begun selling tickets to the public, providing curious customers with the opportunity to enter outer space for a brief time. Each ticket costs \$125,000 USD for a 20-mile-high flight into space that provides full 360-degree viewing angles of as far as 450 miles away. This means each traveler will get to see a large portion of the earth from out in space. As of now, approximately 900 tickets have been sold, booking trips on the spaceship through to 2025.

According to Space Perspective, the Spaceship Neptune is carbonneutral and is a sustainable method of delivering orbital-height flights.





Popularity Activity Freshness







4 Related 5.341 Total Clicks URL: Hunt.to/484695



# NEUROMARKETING AND CONSUMER TRACKING





## Neuromarketing and Tracking Consumer Behavior



Briefing: Here, we look at consumer behavior research and tracking across industries to uncover the latest trends.

**Takeaway:** Consumers look for products that can be seamlessly integrated into their routines across various spaces including their health, fitness, payment, baby monitoring and more. Brands are therefore integrating seamless solutions through wearables and other technology that involves sensory and movement tracking in various ways. These solutions are developing with new iterations daily - and will continue to do so across industry wide spaces.

#### **Top Insights**



#### **Health Hub** Smart home hubs prioritize the health of those living within the household

Trend - Smart home hubs are now being designed as additional ways for consumers to keep track of various health-related metrics. These hubs are offering everything from medication management to sleep pattern-tracking. Insight - Consumers are increasingly relying on technology to help them maintain their health and fitness routines, which has been accelerated by factors like having to maintain fitness outside of the gym in recent months. This shift in consumer behaviour has people wanting products that can be seamlessly integrated into their routines, but help motivate them to pursue new goals at the same time.



#### Gesture Kiosk Gesture-controlled interfaces use hand-tracking technology to reduce health risks

Trend - Retail and entertainment industries are opting for gesture-controlled kiosk interfaces to enhance the user experience without contact-related health and safety risks. Hand-tracking technology registers the user's movement to allow touchless screen navigations. Insight - Amidst the ongoing pandemic, consumers are wary of high-touch zones due to the health risks they pose. While in-person restrictions are lifting in public spaces, consumers are looking for new ways to interact with retail and entertainment products that mimic the safety of a virtual setting. By digitizing brick-and-mortar spaces with touchless technology, consumers are more likely to feel safe throughout their shopping experiences.



#### **Reactive Nursery** Baby toys and monitors react to babies' needs in the moment

Trend - Nurseries are being deocorated with toys and baby monitors that are able to detect and respond to babies' behaviors in the moment. Examples in this space include toys that sense when babies cry and play soothing sounds in response. Insight - Parents and caregivers to newborns tend to have a lot on their plate, particularly as households where all adults work are more common. To relieve some parental duties, some are turning to technology that helps to teach, soothe, and/or generally monitor their children in order to make raising infants slightly easier.



## Emotion-Detecting Music Patents

Spotify's New Patent Aims to Understand a User's Emotions



Accessible Fitness-Focused Smartwatches The Moto Watch 70 Tracks Sports and More



Style-Conscious Health-Tracking Rings

The Oura Ring Gen3 Horizon Has Research-Grade Sensors



#### **Health-Sensing Earbuds**

The Anker Soundcore Liberty 4 Earbuds Monitor the Heartbeat







## Smart home hubs prioritize the health of those living within the household

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#### **Smart Wellness** Mirrors CareOS' Themis Smart Mirror is a CES 2021

Honoree



#### Remote Cardiac-**Tracking Devices**

HD Medical's **Revolutionary Device** Made its Debut at CES 2021



#### Health-Focused Smart Home Hubs

The Google Nest Hub 2 Tracks Sleep Quality and More



Senior-Focused **Health Applications** 



#### **Toothbrush** Speaker Systems

The Wavee W-1 Toothbrush Speaker System is Water Resistant and Engaging



cal The Future of Tele-Health and

#### All-in-One Health Tracker Hubs

The 'Aware' Domestic Health Kit Tracks for **COVID-19 Symptoms** 



#### Vaccination-Finding **Smart Assistants** Amazon Alexa Users Can

Ask the Device Where to Get Their Shot



**Smart Assistant** Telehealth Features



**Assistive Wellness Smartwatches** 



**Popularity** Activity















#### Gesture-controlled interfaces use hand-tracking technology to reduce health risks

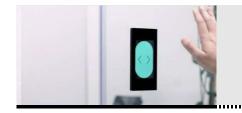
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**Contactless B2B Kiosks** imageHOLDERS Launched a Gesture-Controlled Touchless Kiosk



Touch-Free Gesture-Controlled Doors The Kinetic Touchless 2.0 System is Intuitive to Use



**Gesture-Based QSR Menus** PepsiCo Debuted New Touchless Menu Gesture Technology



Popularity Activity

Controllers

The 'VANZY' Wearable Mouse Works with Any

Device

Freshness







## **Emotion-Detecting Music Patents**

## CUTO-CMOTUT LABS | Haaga-Helia TRENDHUNTER

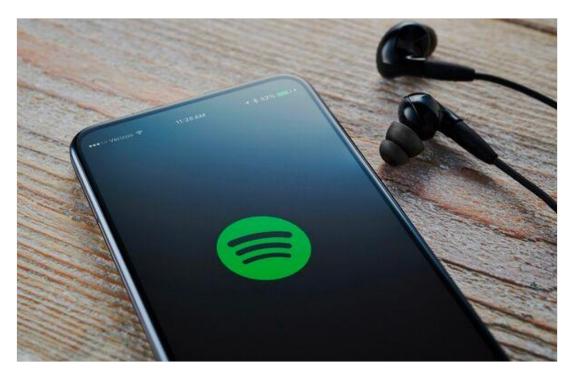




## Spotify's New Patent Aims to Understand a User's Emotions

Spotify's new patent will allow the music streaming giant to curate music based on the listener's emotional state. Spotify filed for this patent three years ago, but the news of its approval has just been announced. According to the filing, this will allow for the service to listen for "intonation, stress, rhythm and the likes of units of speech," essentially figuring out ""emotional state, gender, age or accent". With this information, the service can offer a more personalized approach to curation.

This move speaks to the increasing power of technology, and its premeditative ability that's replacing a reactionary one. While the patent was approved, it is still unclear how, when, or if Spotify plans to implement these changes.





Popularity Activity Freshness







9 Related 4.409 Total Clicks URL: Hunt.to/445861



## Seamless Biometric Payment Tools

## CUTO-COMOTUR LABS Haaga-Helia





#### Mastercard is Testing a New Face Scanning Payment Solution

Mastercard has announced that it is currently testing a biometric tech innovation designed to let consumers make payments using just their faces or hands at checkouts.

The new tool leverages facial recognition and fingerprint scanning technology to enable customers to authenticate their payments without the need for a card or phone. So far, the new tool is being implemented in five St Marche grocery stores in Brazil. If successful, Mastercard has stated that it will roll out the new technology in more countries over the course of the next year.

"All the research that we've done has told us that consumers love biometrics... they want making a payment at a store to be as convenient as opening their phone," explains Ajay Bhalla, Mastercard's president of cyber and intelligence.





**Popularity** Activity Freshness







9 Related 4.267 Total Clicks URL: Hunt.to/478774



## Smartphone Facial Gesture Features





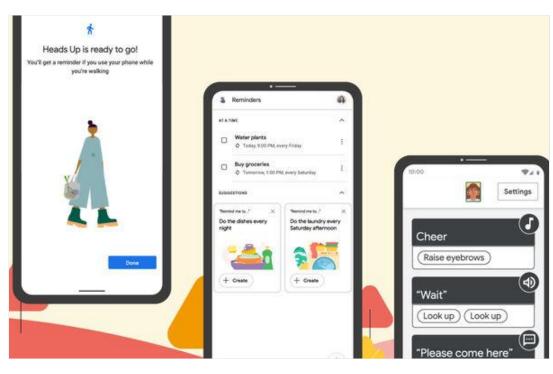


#### Android Rolls Out Accessibility Tools for the Motor Impaired

Google has annouced a slew of new features coming to Android this fall, some of which include innovative accessibility features geared towards people with motor impairments as well as those with low vision or blindness.

As part of the update, Android will introduce two new facial gestural controls. 'Camera Switches' will allow users to activate various commands via facial gestures, which can include anything from raising their eyebrows to squinting, to opening their mouths. The second installment is called 'Project Activate,' a separate communicationfocused app in which users can make specific facial expressions to trigger actions like texting or playing audio.

In addition, Google has said that a new handwriting recognition tool is on the way. The new tool will be accessible via Documents mode and will be capable of reading Latin-based languages.





**Popularity** Activity Freshness







9 Related 3.971 Total Clicks URL: Hunt.to/461250



## Reactive Nursery

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#### Baby toys and monitors react to babies' needs in the moment

Trend - Nurseries are being deocorated with toys and baby monitors that are able to detect and respond to babies' behaviors in the moment. Examples in this space include toys that sense when babies cry and play soothing sounds in response.

Insight - Parents and caregivers to newborns tend to have a lot on their plate, particularly as households where all adults work are more common. To relieve some parental duties, some are turning to technology that helps to teach, soothe, and/or generally monitor their children in order to make raising infants slightly easier.





#### Infant Mood-Tracking Devices

FirstAscent's 'Ainenne' Tracks Crying Patterns to Determine **Emotions** 



#### **Kid-Friendly Sleep Devices**

The Five-in-One Baby Dream Machine Uses Aromatherapy and More



#### **Schedule-Predicting Baby Monitors**

The Owlet Cam 2 Has Predictive Sleep Technology

Popularity Activity Freshness









## Style-Conscious Health-Tracking Rings

## CUTO-CMOTUR LABS | Haaga-Helia





#### The Oura Ring Gen3 Horizon Has Research-Grade Sensors

The Oura Ring Gen3 Horizon is the latest wearable technology solution from the brand that targets data-hunger consumers with a penchant for style.

The wearable showcases a true jewelry-inspired design that is sculpted and stylish, and boasts a PVD-coated finish to give it just the right amount of mirrored finish. The device promises up to seven-days of battery life and boasts research-grade sensors to accurately track blood oxygen, sleep, temperature, activity levels, heart rate and more. The wearable also boasts Activity Goals and Calorie Opt-out with data syncing to Apple Health and Google Fit.

The Oura Ring Gen3 Horizon is priced at \$349, comes in six sizes along with five color options. Users can also choose the Heritage model with a bezeled design.











**Popularity** Activity Freshness







9 Related 13.293 Total Clicks URL: Hunt.to/489680



61

## Health-Sensing Earbuds

## CUTO-CMOTUR LABS | Haaga-Helia





## The Anker Soundcore Liberty 4 Earbuds Monitor the Heartbeat

The Anker Soundcore Liberty 4 earbuds take a page from health-tracking wearables by being able to track the wearer's blood oxygen by reading their heartbeat. The heart-measuring sensors sits in the right side of the earbuds and it emits a red light. Perfect for those who want to measure their heart rate during a workout, these earbuds are also useful for those who want continuous heart rate tracking throughout the day. With the latter purpose in mind, these earbuds are outfitted with CloudComfort tips and an extra layer to comfortably mold to the canal of the ear.

These health-sensing Liberty 4 earbuds from Anker's Soundcore division can be used alongside a dedicated app for the purposes of customizing workout routines, accessing data and adjusting personalized sound preferences.





**Popularity** Activity Freshness







9 Related 5.123 Total Clicks URL: Hunt.to/489833

## Smart Mental Health Rings







#### Happy Health Pioneers the Mental Health-Focused 'Happy Ring' Concept

Happy Health has announced it has designed the 'Happy Ring,' a smart ring that alerts users about their mental health by way of biometric sensors and artificial intelligence (AI). The 'Happy Ring' activates electrodermal activity sensors that monitor stress levels in real-time, allowing the device to accurately tell you about your changing mood.

"We tell you about your mood on an ongoing basis so you understand when you're calm, alert, or tense," says Happy Health and Tinder founder Sean Rad. "And we take all that data and personalize exercises for you that are scientifically proven to help manage your stress and improve your mood and overall wellbeing."

Happy Health's exercises include breath work, meditation, and cognitive behavioral therapy-based journaling. Exercises are completed through the Happy Health app and are tracked by the ring itself.







Popularity Activity Freshness







8 Related 13.297 Total Clicks URL: Hunt.to/486869



## Wi-Fi-Enabled Senior Care Sensors

## CUTO-CONOTUR LABO Haaga-Helia





#### Aerial Supports Senior Independence with Its 'WiFi Sensing' Tech

Aerial Technologies specializes in 'WiFi Sensing' solutions that enable active Wifi networks to double as wide-reaching motion sensors.

More specifically, the brand offers this innovative technology to provide caregivers with effective and convenient remote senior care options. The technology utilizes Aerial's advanced patented AI modeling to harness WiFi-enabled motion detection, making it a highly accessible solution for senior care monitoring.

As the company puts it: "WiFi Sensing connects families, enables passive monitoring of loved ones, and establishes peace of mind, all without the baggage of a wearable sensor"

As a result, WiFi Sensing allows seniors to preserve their freedom, control, and privacy while offering their caregivers a reliable system for ensuring their safety that requires little to no effort to set up.





Popularity Activity Freshness







9 Related 7.251 Total Clicks URL: Hunt.to/484619



# AI AND TOURISM







## AI Travel

## CUTO-COMOTUR LABS | Haaga-Helia



## Al-based travel-planning apps take some of the work out of traveling

Trend - Smart-planning apps for travelers are becoming more popular, particularly as pandemic-prompted travel restrictions have lifted. Now, consumers are able to create customized itineraries with the help of Al-based apps that give users a better idea of local offerings and geographies.

Insight - The use of smart technology to streamline aspects of consumers' lives has resulted in people being able to organize their time more effectively, and in a way that's personalized to their exact interests. The convenience that predictive technology offers consumers is a major draw, resulting in everything from daily rituals to infrequent events like travel being made easier with the help of AI.







**AI-Powered Travel Platforms** The 'Karambol' Travel Guide Works Like a Search Engine



#### **AI Travel Assistants**

Eddy Travels Provides a Helping Hand with Planning Trips

Popularity Activity Freshness









## Multi-Purpose AI Translation Devices

## CUTO-CMOTUR LABS | Haaga-Helia





#### Vasco Electronics Recently Launched the Vasco Translator V4

Al translation technology—that is, artificial intelligence translation technology—has radically changed the industry landscape with gadgets that revolutionize how we communicate with one another, especially when we don't share a common language. Vasco Electronics, a big player in this high-tech industry, recently launched The Vasco Translator V4.

This universal AI translation device features 108 languages, with the aid of 10 AI-powered translation engines and free lifetime Internet. Users will enjoy highly efficient translation turnover—less than 0.5 seconds as the brand claims. The gadget is also shock-resistant and splashproof.

Al translation devices such as The Vasco Translator V4 can be extremely helpful when traveling. They can translate a menu at a restaurant using a picture and even support one's bilingual conversations with people from around the world.



















9 Related 2.577 Total Clicks URL: Hunt.to/486559



## Selfie Identity Verification







## Cabify and Incode Technologies Introduce a New Verification Feature

Cabify has teamed up with Incode Technologies to pioneer nextgeneration verification developments and authentication features for the former's passenger identity validation system. The partnership will result in Incode's technology being implemented into Cabify so consumers can validate their identity through a selfie and speed up the check-in process. Through AI technology and machine learning processes, Cabify will be able to detect suspicious behavior in its users and prevent incidents that may endanger the driver of the vehicle.

By implementing these features, Cabify prioritizes user experience and safety and sets an example for travel platforms.

Ricardo Amper, CEO of Incode Technologies said: "Cabify has created a platform that is bringing together world-leading technologies to transform inner-city mobility, while optimizing both user experience and safety. This makes it a really exciting partnership for us, and we are looking forward to working with Cabify as they continue to improve the way in which we travel."





**Popularity** Activity Freshness







8 Related 1.824 Total Clicks

URL: Hunt.to/492074



## AI-Powered Robotic Baristas







#### Panera is Testing the Al-Powered 'CookRight Coffee' System In-Stores

Panera has announced a new partnership with Miso Robotics whereby the restaurant will test Miso's 'CookRight Coffee' artificial intelligence (AI)-powered robotic barista. The system will be touch-controlled and will learn how to guarantee consumers a fresh cup of coffee. CookRight Coffee achieves this by monitoring the volume and heat of the various coffee pots it has. On top of this, the system will track how long each coffee pot has been sitting out without being changed.

This system will ensure that the Panera staff know exactly when, and how often, new pots of each type of coffee need to be brewed. In addition to ensuring fresh coffee, the system will also streamline Panera's 'Unlimited Sip Cup' membership reward. MyPanera rewards members can pay \$8.99 per month in order to receive infinite refills while in-store on coffee and tea. The robot will recognize this subscription perk and dispense infinite refills to members.

While Panera is beginning its Al-powered robotics tests with the coffee station, the restaurant believes the system has value in other parts of the restaurant as well, which the brand will look into in the future.





**Popularity** Activity Freshness







9 Related 2.796 Total Clicks URL: Hunt.to/475910



## **Digital Companions**

## CUTO-CONOTUR LABS | Haaga-Helia TRENDHUI





## Digital platforms keep travelers informed during COVID-19

Trend - Airlines and airports are launching digital platforms containing information for travelers. The aim is for these platforms to house the most current information regarding COVID-19, such as rules, requirements, testing options and a space to record test results and vaccination records.

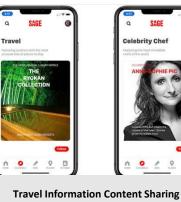
Insight - With changing travel patterns since the rise of COVID-19, it's more important than ever for consumers to be kept abreast of important rules and information while on the go. As rules surrounding social distancing, testing and quarantine are continuously evolving, travelers can find it tough to keep up with pertinent information as it arises. Quick access to this information will continue to be relevant, as the rules surrounding travel are likely here to stay.











Sage Plus for Experts Provides a Platform for Information

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Popularity Activity Freshness









## AI Delivery

## CUTO-COMOTUR LABS | Haaga-Helia





#### Artificial intelligence is used to make delivery processes more efficient

Trend - Al-enhanced delivery systems are on the rise as businesses look for tech to make operations cheaper and more efficient. Robotic delivery systems and Al-operated fulfillment centers all work to prioritize cost and time-based efficiency.

Insight - For businesses, the adoption of AI speaks to the growing usefulness of smart technology in helping to streamline operations. Whether for small or large-scale operations, artificial intelligence is taking some of the work out supply chain management.







#### **Hyperlocal Logistics Platforms** The GoKea Logistics Platform Uses Technology to Optimize

Delivery



#### **Robot-Powered Delivery Centers**

Kroger is Rolling Out an Ocado-Powered Customer **Fulfilment Centre** 

**Popularity** 

Activity Freshness







4 Featured, 39 Examples

49,883 Total Clicks

URL: Hunt.to/454245



## AI-Powered Disinfectant Devices

## CUTO-COMOTUR LABO Haaga-Helia



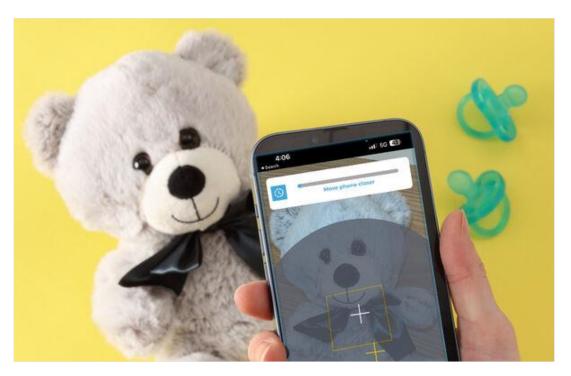


## UVCeed Shared a Solution for the "Tripledemic" at CES 2023

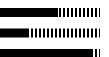
At CES 2023, UVCeed demonstrated its flagship product, the world's smartest mobile UV light sanitizer and the first personal Al-powered mobile UVC disinfectant platform for work, home, school or travel.

The device helps to protect people from exposure to germs, bacteria and viruses with augmented reality and a first-of-its-kind artificial intelligence UVC disinfectant system with a camera/app-based protection feature. Engineered with safety and ease of use in mind, the device attaches to smartphones to give people the power to protect themselves in real-time on the go.

Dr. Peter Bonutti, co-founder & CEO, UVCeed, said: "We are in the midst of a 'tripledemic' with COVID-19, flu and RSV, resulting in the need for increased vigilance to prevent unwanted contact with germs."



Popularity Activity Freshness







9 Related 7.564 Total Clicks URL: Hunt.to/495795



# AR /VR/XR







## AR Language Translation Eyewear

## euro-emotur LAB8 | Haaga-Helia TRENDI





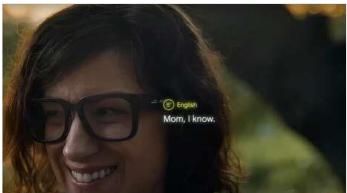
## The Google AR Glasses Offer Language Translations in Real-Time

The Google AR Glasses have been conceptually designed by the company as an ultra-modern wearable for professionals and International travelers alike to keep them communicating with total ease anywhere they go.

The glasses maintain a simple construction that looks like an ordinary eyewear style, but reveals advanced technology inside when conversing with someone in another language. Wearers would be able to see translations in real-time thanks to augmented reality (AR), which would enable them to always understand those around them. The scenario only gets better if both people in the conversation are wearing the glasses to help them communicate in their own language, but allow the other to also understand.

The Google AR Glasses are a concept for now, but could come to the market in the near-future.











Popularity Activity Freshness







9 Related 2.540 Total Clicks URL: Hunt.to/478381



## Augmented Reality Monuments







#### LACMA and Snapchat Brought Five Monuments to Life Virtually

The Los Angeles County Museum of Art (LACMA) and Snapchat teamed up to create five monuments in augmented reality on the Snapchat camera. The LACMA × Snapchat: Monumental Perspectives experience offers a look at the history of Los Angeles and it helps to explore the history of Los Angeles Indigenous communities.

Each AR monument from the collaboration offers a different look into history, including the different generations that passed the 1932 LA Olympic marathon route, street vendors in the city and a tribute to Biddy Mason. Snapchat users can discover the virtual monuments for themselves by hunting down different markers on the Snapchat map. Those who are outside of Los Angeles can also find the experience online via LACMA.









Popularity Activity Freshness







9 Related 13.819 Total Clicks URL: Hunt.to/450439



## Web3 Tourism

## CUTO-CONOTUR LABO Haaga-Helia





#### The travel industry is beginning to integrate aspects of a decentralized Internet

Trend - At face value, technologies like the Metaverse or NFTs seem antithetical to the travel industry in that they challenge the value of physical over digital. However recent developments in the tourism industry show Web3 technologies adding delight and convenience to various parts of the journey, from booking to an in-person experience.

Insight - Web3 is defined as the next iteration of the Internet; it focuses on decentralization via the Metaverse, NFTs, and token-based economics. This shift in technology is slowly impacting various consumer-facing industries, though for now, in small, experimental ways. The tourism industry is one ripe for disruption considering how much necessary change it's sustained due to the pandemic. Specifically, this industry is more open to technological and non-physical shifts than ever before as it adapted to these needs during recent COVID-related lockdowns.



#### **Branded NFT Treasure Hunts**

Volkswagen South Africa Promotes Safety Features through Game On



World of My Little Pony



#### **Frequent Flyer NFT Programs**

airBaltic Debuts an NFT-Based Loyalty Program Featuring 10K 'Planies'



#### **Gamified Hotel Campaigns**

Moxy Universe, Play Beyond is an Augmented Reality Experience

Popularity

Activity Freshness









## Senior Metaverse

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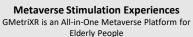


#### Companies are leveraging virtual reality to enhance elderly peoples' daily lives

Trend - Due to mobility issues and/or other age-related disabilities, senior citizens find it more difficult to connect, travel, exercise, and enjoy outdoor activities. Brands are leveraging the accessibility of the metaverse to create tailored experiences that address these problem areas. Services emphasize social interaction and immersion in the metaverse.

Insight - The pandemic caused levels of perceived isolation to worsen, leading to elderly people feeling even more disconnected from their friends and communities. These individuals found it harder to remain active and access daily services. The rapidly-advancing metaverse arose as a space for innovation in these areas, leading to brands creating curated experiences for elderly people that help with socialization, exercises, mental stimulation, and services such as banking or healthcare.







MyndVR Partnered with Oroi to Create Tailored VR Experiences



Metaverse Treatment Centers XRHealth Partnered with HTC for Virtual Healthcare Offices



**Inclusive Social VR Programs** Meta Invested in a Social VR Research Team Alongside Universities



#### **European Metaverse Initiatives**

The European Commission Launched a Dedicated VR/AR Department

Popularity Activity

Freshness









## Digital Museum Platforms



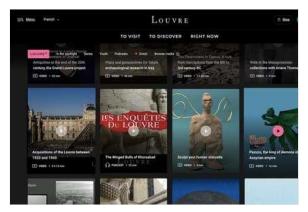


## The Louvre Museum Launches Stand Alone Digital App, Louvre+

The Louvre, the world's most visited museum, has announced the launch of a dedicated digital platform called Louvre+. The new platform represents a move by the Parisian museum to boost its virtual presence and engage international audiences -- an initiative that was motivated by the pandemic, which significantly impacted the historic landmark's attendance numbers.

Developed in partnership with Art Explora, Louvre+ will provide users with a portal to watch web series videos that provide deeper insights into the Louvre's history and exhibitions. In addition, users can embark on virtual museum tours to visit themed collections such as Islamic arts or Greek antiquities. Moreover, the museum plans to host live-stream broadcasts on the platform, allowing users to sit in on special events.

















9 Related 7.120 Total Clicks URL: Hunt.to/467216





## The Updated Samsung Freestyle Projector Debuted at CES 2023

Samsung Freestyle was introduced at CES 2022 and at this year's technology showcase, the company introduced a new and improved version of the compact and portable projector. The new Freestyle projector Samsung debuted at CES 2023 shares new capabilities, including the ability for consumers to pair two Freestyles in order to create an ultra-wide display.

This next-gen Consumer Electronics Show projector is also more geared towards supporting real-world metaverse applications. Additionally, Samsung added its new Gaming Hub to Freestyle's Tizen OS software. With a max resolution of 1080p, the projector has the potential to support immersive gaming sessions and virtual explorations as consumers socialize, play, learn and shop in new ways in the metaverse.





Popularity Activity Freshness





8 Related 7.290 Total Clicks URL: Hunt.to/495869



## Quarantine-Friendly Virtual Trips

## euro-emotur LAB8 | Haaga-Helia TREE





#### Thrillist Creates a List of 360-Degree Videos for 'Tourists'

Given the current health climate and the global progression of the COVID-19 pandemic, social distancing and staying at home become the new norm—many strive to keep certain thrills in their life and with technology, things like digital events, streamlined communication, and even virtual trips become possible.

To make it easier for consumers to decide where to go next, Thrillist has created a list of virtual trips that will help one still 'travel' amid the pandemic. The list includes a 360-degree virtual reality film provided by the Japan National Tourism Organization, featuring must-see wonders like the famous Shibuya Crossing and cherry blossom during Sakura season. One can also enjoy a virtual hike up the Great Wall of China, as well as multiple virtual trips with the Chile 360 app that covers popular destinations like the Atacama Desert and Easter Island.





**Popularity** Activity Freshness







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## App-based travel and activity guides prevail as pandemic restrictions lift

Trend - As we enter a post-pandemic world and travel restrictions lift, app-based travel and activity guides are becoming the norm. These digital guide activations help travelers explore the world while limiting their contact with tour groups to remain mindful of the ongoing global health concerns.

Insight - Consumers are eager to travel now that the global vaccination rate against COVID-19 has increased, and restrictions lifted. However, travelers are maintaining some pandemicinduced habits, such as finding convenient and online alternatives to certain activities. The travel and hospitality industry is leveraging app technology to accommodate new consumer habits and continue offering guided services.













**Popularity** Activity Freshness









## Digital Health Passports







#### V-Health Passport is Looking to Streamline Air Travel During COVID-19

As more individuals get vaccinated, companies are identifying a new way to allow consumers to feel safe—hence, the launch of digital health passports. The concept allows those who have been vaccinated to carry the medical documents to prove it seamlessly on their person at all times. The digital health passport would be especially handy for those who are planning to travel, enabling a level of convenience and comfort.

In the United Kingdom, one such product has been launched by British cyber technology company VST Enterprises (VSTE). The cross-border platform is titled the V-Health Passport. The service validates the passenger's identity and authenticates their COVID-19 test result and vaccination details. The digital health passport utilized 'VCode' scanning technology instead of the more common bar codes and QR code technologies which are thought to be less secure.





Popularity Activity Freshness







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# ROBOTICS AND AUTOMATION







## **Cleaning Robots**

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## Robots are increasingly being used to clean and disinfect various spaces

Trend - As cleaning and health standards across the globe increase in the wake of the global pandemic, autonomous cleaning robots are being leveraged to clean and disinfect various spaces including hospitals, airports, and homes.

Insight - Brands continue to look into new measures to enhance cleaning and disinfection efforts in the wake of the COVID-19 pandemic. The increased emphasis consumers have put on hygiene in the last several months will likely continue even in a post-pandemic world, and brands and institutions are adapting to this shift.





**Next-Gen Cleaning** Robots



Sonar Technology **Pool Cleaners** 



Air-Purifying **Robotic Vacuums** 



Cost-Effective **Disinfecting Robots** 



Airport-Specific **Disinfection Booths** 



All-in-One Self-**Cleaning Robots** 



**Popularity** Activity Freshness







7 Featured, 66 Examples

103,990 Total Clicks

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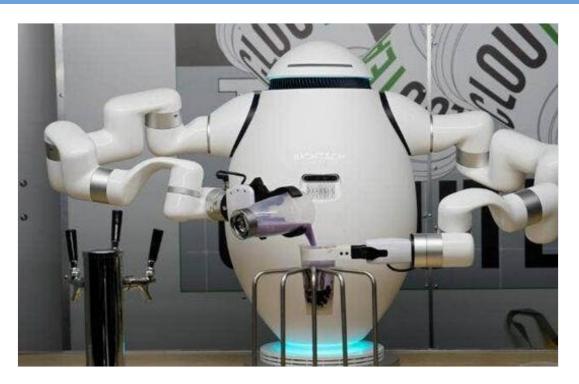


#### ADAM by Richtech Robotics Delighted Attendees at CES 2023

ADAM by Richtech Robotics is a two-armed robot that uses grip handles to make specific drinks and at CES 2023, the robot showed off its skills in making bubble tea. Using a digital touchscreen, guests at the Consumer Electronics Show in Las Vegas got to input their order and see it prepared by the dexterous robot.

With a fruity or milky base, and chewy additions, there are all sorts of bubble tea beverages that can be enjoyed, and made with ease thanks to ADAM.

As described by Timothy Tanksley of Richtech Robotics, "ADAM is intended to be basically a way to attract guests and a way to make drinks fully automated and very efficient." ADAM can be rented for events or hired full-time, and in between making drinks, ADAM can dance to keep people entertained.





Popularity Activity Freshness





9 Related 10.976 Total Clicks URL: Hunt.to/496113



## Automated Ocean-Cleaning Robots

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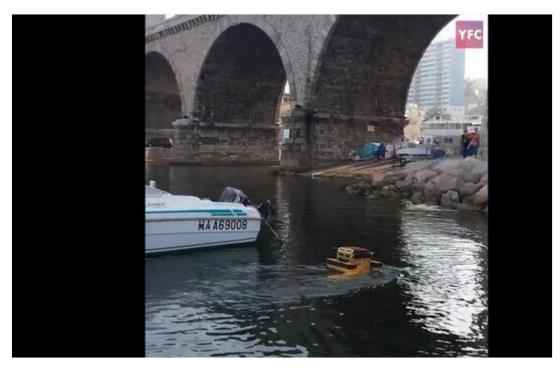




## IADYS's Jellyfishbot Collects Waste from the Surface of the Water

'Interactive Autonomous DYnamic Systems' (IADYS) has created an ocean-cleaning robot named the 'Jellyfishbot.' IADYS calls the Jellyfishbot a "Roomba for the water" because the device cleans the surface of any body of water entirely on its own. While users can choose to manually control the Jellyfishbot remotely, this is not a requirement.

The Jellyfishbot has several propellers that allow it to travel forward, backward, and turn to the side. This means the robot can maneuver dynamically without getting stuck in a corner of a body of water. To set up the automatic cleaning feature, users must equip the Jellyfishbot with a net and set the desired cleaning area. The net holds the collected trash until it is manually emptied. The robot's battery lasts up to eight hours when operating automatically, and its net can hold up to 20 gallons of waste. This means the Jellyfishbot can conveniently operate overnight while oceans are less populated, ensuring that the surface of the water remains clean for the next day.





Popularity Activity Freshness







8 Related 5.098 Total Clicks URL: Hunt.to/473552



## AI-Powered Retail Assistance Robots

## CUTO-CMOTUR LAB | Haaga-Helia





#### The LG CLOi GuideBot Offers General Information and More

The LG CLOi GuideBot is a robotic retail solution that would work to greatly enhance the capabilities of companies by offering consumers with a personalized experience that's automated and contact-free. The robot is designed with retail or business implementation in mind and would provide ample information to the person according to their needs on its built-in display. When not dealing directly with a customer, the robot could be set to provide location-based advertising and would roam to provide service as required or keep an eye on security.

The LG CLOi GuideBot maintains a friendly design that is paired with a set of cartoon eyes on the head to make it appear more approachable for consumers.

















Popularity Activity Freshness







8 Related 4.741 Total Clicks

URL: Hunt.to/468687



## Autonomous Disinfecting Robots

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#### LG's Disinfecting Robot Can Disinfect a Room in 30 Minutes

LG's disinfecting robot is preparing for the current world, as well as a post-COVID world, presenting an autonomous robot that can create a germ-free room in a matter of minutes. Making its debut at CES 2021, this device is set to serve as a solution to high-trafficked areas, like schools, restaurants or hotels.

According to the brand, the autonomous robot has the ability to completely disinfect a room in just 30 minutes, providing inhabitants with peace of mind. According to LG's Business Solutions USA vice president Michael Kosla, "A higher level of disinfection is going to become the new customer expectation in the new contactless economy where we now all live, work, learn, and play".





Popularity Activity Freshness







9 Related 8.326 Total Clicks URL: Hunt.to/444348



## Wine-Delivering Hotel Robots

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#### Hotel Trio's Robot Named Rosé Offers a Touchless Wine Deliveries

Rosé is the name of a hotel robot at Hotel Trio in Healdsburg, California that specializes in making sure guests receive wine straight to their room with a touchless experience. The hotel is located in proximity to many Californian wineries and Rosé the robot butler makes it easy to enjoy a taste of the region delivered straight to one's suite. The bot also boasts the ability to deliver other essentials like snacks, extra towels and toiletries as needed. While autonomously traveling the halls, Rosé focuses on its mission by displaying a message to communicate: "I'm on a guest delivery."

A few years ago, innovations like hotel robots were mostly seen as convenient and novel but in 2020, they're proving to be a valuable way to reduce contact between staff and guests during a global pandemic.





Popularity Activity Freshness







8 Related 11.028 Total Clicks URL: Hunt.to/432229



## Digital Shift Management Platforms



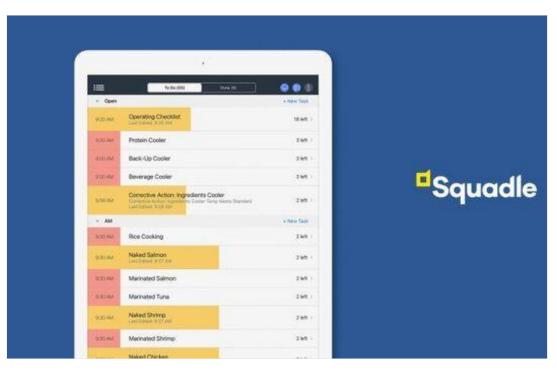




## Squadle Now Features Automated Workflows and Digital Checklists

The Squadle digital shift management platform has been upgraded by the workflow automation company to help further streamline employee management for retail and restaurant administrators. The platform now features paper to digital checklist conversion along with automated workflows and summary reports. Real-time text and email alerts will ensure optimal communication and transparency.

The Squadle digital shift management platform can be used with as many user accounts as required, while the upgrades also see Squadle Workflows added to the Apple App Store. The interface highlights enhanced ease of use to ensure that administrators and staff alike can intuitively navigate without requiring extensive training. The tool speaks to the increasing digitization of the retail and restaurant sectors as administrators require more automation to perform optimized management.





**Popularity** Activity Freshness







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## Come play with us!



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