

Wearables -status in Finland

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Keywords

- Man to the Moon
- James Bond
- Oulu
- Wearable
- Moccamaster
- Volkswagen
- Digitalization or just Replacement Business
- 5G
- Oulu











Oulu Track Record in Wireless

Europe's largest science park

The world's 1st NMT network

1982

1981



2015	5GTN - 5G Test Network.
2014	Full implementation of Li-Fi (Visible Light Communication)
2014	Two-front phone with inbuilt Electronic Paper Display
2013	World 1st ubiquitous indoor positioning solution
2012	World's 1st in printed intelligence (PrintoCent Pilot Factory)
2011	WIFIUS – High Capacity NextGen Cognitive Radio Solution
2010	World's First Fully 'Open' Mobile Device Powered by Moblin
2010	Linux Phone launch
2009	World 1st Cloud based mobile security services
2008	World 1st pedestrian navigation phone
2007	Launch of mobile Wimax test network
2005	The world's 1st public NFC user
2004	The world's 1st commercial Edge high-speed network
2003	Europe's 1st free urban area WLAN network
2002	The world's 1st WCDMA (3GPP) telephone call
2002	The world's 1st security OTA-services for Mobile phones
2001	The world's 1st security products for Mobile phones
1996	The world's 1st WCDMA telephone call
1993	Modern menu-driven user interface style for mobile phone
1992	The 1st contactless fare collection system for public transportation
1991	The world's 1st GSM telephone call
1991	The world's 1st GSM base station







Heart Rate Monitors - Polar





- more than 10 000 new Wearables to enter the market in 2016
- challenges like
 - antenna system design and connectivity
 - battery consumption
 - usability
- But the biggest challenge is????





Branding

- is it allowed to talk about it in Finland?
- Product (tangible or intangible)
- Value to the customer
- Business modell
- Product differentation against competitors
- Market segmentation
- Brand segmentation: Economy, Standard, Premium, Luxury

MOCCAMASTER

HANDMADE

















We don't buy cars, we buy brands

"Our activities may focus on the automobile, but the Volkswagen Group is far more than just a carmaker"





Source: Volkswagen Group



Digitalization or Replacement Business

- market and demand exist
- customers are used to consume and pay for a similar service or product
- technologies and digitalization offer huge scalability

Before	Prodcuct now	BusinessModel	Asset
Walkman	iPOD	HW-selling supported by content	Hardware Design, Content and BD
Encyclopedia	Google	Sales of advertising space	BigData analyze and sales
Shell's parliamet	Facebook	Sales of advertising space	BigData analyze and sales
Textmessage	WhatsAPP	BigData-analyzing	BigData
DVD-rental	Netflix	Monthly payment	Movies, global
CDs	Spotify	Monthly payment	Music, global
Dating	Tinder	Monthly payment	BigData analyze and sales
Analog lock	iLoq	Hw-selling	Patents and locking business knowhow
Taxi	Uber	Comissions	Software and all car owners , global
Hotel	Airbnb	Comissions	Software and all space owners, global









Thank you.

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"All what can be digitalized, will be digitalized."



