Mobile 4.0 Revolution!
Industry 4.0

1st revolution: Water/Steam
2nd revolution: Electricity
3rd revolution: Automation
4th revolution: Cyberphysical systems

Replacement of equipment
Percent of installed base

- 100
  Replacement of complete loom necessary

- ~ 10 - 20
  Little replacement, as tooling equipment could be kept, only conveyor belt needed

- ~ 80 - 90
  High level of replacement as tooling equipment was replaced by machines

- ~ 40 - 50
  Existing machines are connected, only partial replacement of equipment
Industry 4.0 is the fourth industrial revolution where the brainpower that has gone into creating apps for smartphones is creating applications for smart factories, smart cities and smart ships.

David Grucza, Director, Siemens Drilling & Marine, U.S
2018: the number of mobile devices is bigger than the world population!

GLOBAL DATA

<table>
<thead>
<tr>
<th>Mobile connections, including licensed cellular IoT</th>
<th>Unique mobile subscribers</th>
<th>Revenue/year</th>
<th>ARPU/month</th>
</tr>
</thead>
<tbody>
<tr>
<td>8,520,948,314</td>
<td>5,037,350,818</td>
<td>$1.05T</td>
<td>$9.49</td>
</tr>
</tbody>
</table>

Source: GSMA Intelligence 2018, current year-end data except interpolated subscribers and connections
The daily routine...

- Browse app stores
- Send SMS
- Alarm clock
- Wi-Fi
- Browse the web
- Voice calls
- Email
- Music
- Mobile internet
- Manage your time
- Mobile games
- Calculator
- USB flash drive
- Social networks
- Notes or tasks
- Magazines and newspapers
- Flashlight
- Watch online videos
- Digital map
- Tethering
- Share photos and videos
- Language tools
- GPS navigation
- Radio
- Weight tracker
- Music recognition
- Special此案ing modes
- Remote control
- Bluetooth transfer
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Source: GSMarena
Gartner's Nexus of Forces: Social, Mobile, Cloud and Information

See "High-Tech Tuesday Webinar: Impact of Cloud, Data, Mobile and Social Forces on the Enterprise Software Markets"
New ecosystems emerge

**A Connected technologies as a catalyst for sustainability**
High scalability due to limited infrastructure requirements

Connected technologies (e.g. autonomous cars), offer significant economic opportunities, but also benefits to society (safer roads) and the ecosystem (fuel savings).

From **optimised processes to improved decision making** – connected technologies are a driver for sustainability. They also offer high potential scalability of sustainability effects.
Where is Greece?

1) 1 – low, 5 – high
2) Adjusted for outliers Cyprus, Greece, Bulgaria, Romania
• Agrofood
• Life Sciences & Health - Pharma
• Information and Communication Technologies
• Energy
• Environment and Sustainable Development
• Transport and Logistics
• Materials - Construction
• Culture - Tourism - Cultural & Creative Industries
Tourism 4.0

Data Integration
Greece Scales Up!
Established in Athens in 2010, by 32 companies - today 70+ which develop innovative applications and services to mobile devices.

Its members have a global presence in 40+ countries.

They have gained international investors’ trust and have raised funds from the international markets.
HAMAC members
• 4.000 employees, among them 1.000 scientists and engineers of high academic and professional qualification
• have a total turnover of over 400 mil.€
• have obtained a series of distinctions and awards at national and international level
HAMAC Objectives

- Growing the ecosystem
- Going global
- Access to capital
- Enhancing innovation and entrepreneurship policies
a competitive, globally, cluster which will contribute to smart, sustainable, extroverted development of its members and all actors of the broader ecosystem.
Greece @MWC
The winners from Greece - 2014
YOOR: The Greece challenge winners

The Idea
YOOR
Yachting, Mooring, Exploring, Sharing – Exchanging Experiences

The Winner
Philippos Beveratos and Team

European Satellite Navigation Competition 2014
Philippos Beveratos and Jean-Robert Malandra
Greece Challenge winners
A HAMAC initiative, in cooperation with AUEB, Samsung and InnovAthens
Synergies

- HAMAC
- EVIDITE Hellenic Association of Space Industry
- HellenicSIA Hellenic Semiconductor Industry Association
- HBio Hellenic Bio Cluster
- Hellenic Startup Association

Σynergies
JOIN THE MOBILE REVOLUTION NOW!
Thank you!

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