

Internet of Things

Business innovation in a new era

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Today





Imagination!



IoT business innovation process



IoT added value

http://www.youtube.com/watch?v=0u0RQk2Z1-o

Do you have a mobile phone?

Today





Imagination!



IoT business innovation process

Lessons learned

The Internet of Things Innovation Circle

Develop new, smart and internet-connected business together with your own business cluster







IoT Innovation Circle



- Fuzzy front end innovation
- OEM and service companies, SME + corporates
- Co-creation, multidisciplinary
- 5 sessions in 3-4 months
- From idea to business & functional concept
- Business model, business case, proof of concept

12 cases

C

- Lighting
- Security
- E-Health

- Logistics 2x
- Retail
- Industry 2x

- AgroFood
- Construction
- Installation 2x



The Internet of Things Innovation Circle

Develop new, smart and internet-connected business together with your own business cluster



Lessons learned – innovation process ©

- 1. A good start
- 2. Collaboration & co-creation
- 3. Design thinking
- 4. Integrated approach
- 5. Business & revenue models
- 6. Roadmap for implementation

1. A good start



- Clear innovation assignment
- Scope
- Clear stakes and expectations
- Don't start with technology



2. Collaboration & co-creation



Start with existing trusted partners

- Involve customers and other important stakeholder
- Multidisciplinary team
- Distribution channel conflicts
- Copycat risk



3. Design Thinking



- Diverge converge
- Visualizing
 - Concepts boards, user stories...

Prototyping / PoC





ARRHADI DAKE

4. Integrated approach



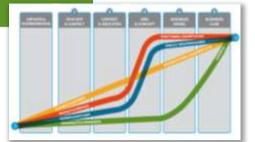
- Step by step
- Insights and validation first
- Functional design before technology
- Organization and processes

BUSINESS & NETWERK

PRODUCT & SERVICES

TECHNOLOGIE & DATA

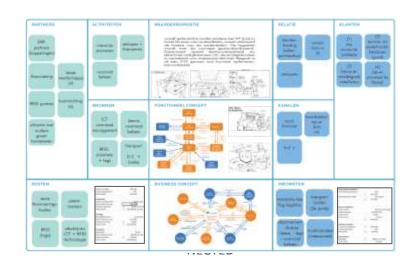
ORGANISATIE & PROCESSEN



5. Business & revenue models



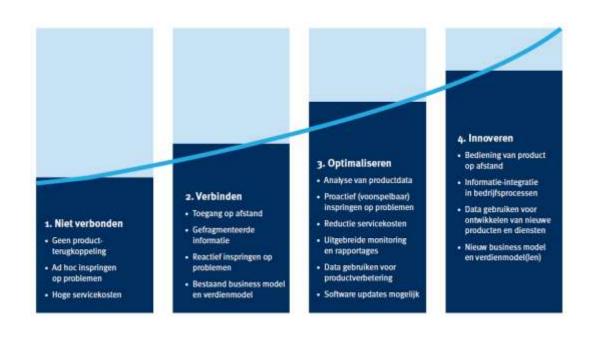
- Data ownership& privacy
- Open vs. closed models
- IoT Canvas



6. Roadmap for implementation



- Think big, start small
- Business models in time



Today





Imagination!



IoT business innovation process



IoT added value

Added value IoT



Insight





Influence



















Interacting

IoT Business DNA

Cost reduction Process optimization Quality improvement

- Business processes
- Remote service & maintenance
- Production processes
- Logistic processes
- Supply chain management
- Asset management
- Smart metering
- Legal proof

Insight Influence



New revenue **New business**

- Strengthening customer relation
- Updates & customization
- Discovering customer & customer behaviour
- Upselling lock-in
- Input for innovation
- New customer value & experience
- Data as a new revenue source



General revenue models



Product

Software/Application

Service













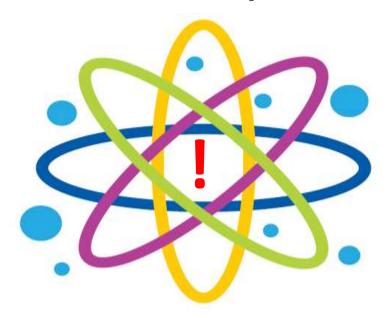
Data/Information

Content

Platform/Indirectly

Business ecosystem



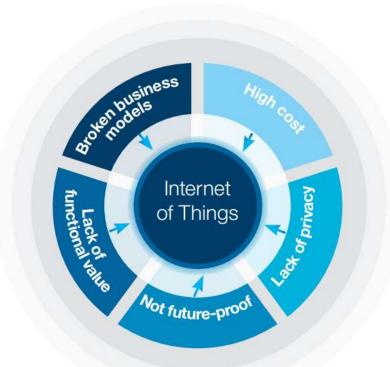


- Only a product is not sufficient
- Only an application is not sufficient
- Only a service is not sufficient
- Only information is not sufficient

To grow in the current (globale) economy a combination of all these four – in collaboration with partners – is required

Challenges for IoT





- Lack of functional value
- Wrong business models
- Not future-proof
- High cost
- Lack of privacy

Source:

IBM, Device democracy Saving the future of the Internet of Things, July 2015



Castermans Connected **accelerates** the development of your **successful next generation business**.









