

#### **GHOST - Making your smart home safer**

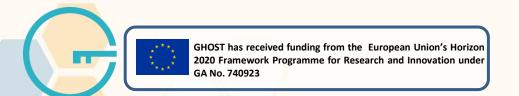
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GHOST





### 5 steps in 10 minutes

- TELEVES (a bit of context)
- GHOST (a little more context)
- Exploitability-by-design
- Useful tools that we have used
- Our present-future plans





### **TELEVES**



Televes is the brand heading a group of technological companies with the common objective of generating value in the Telecommunications and Information Technology sectors.

Formed by more than 20 companies, all working toward a common objective:

To design, develop, manufacture and distribute the best products and solutions to enable optimum infrastructures for buildings and homes.





#### **Key markets:**

- Telecom and TV infrastructures
- Hospitality
- eHealth
- Professional LED lighting



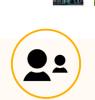
**1959**Televes is founded



**192** (mill.€) Turnover 2018



**7%** R&D yearly investment



**790** employees



**22** subsidiaries



+100 countries

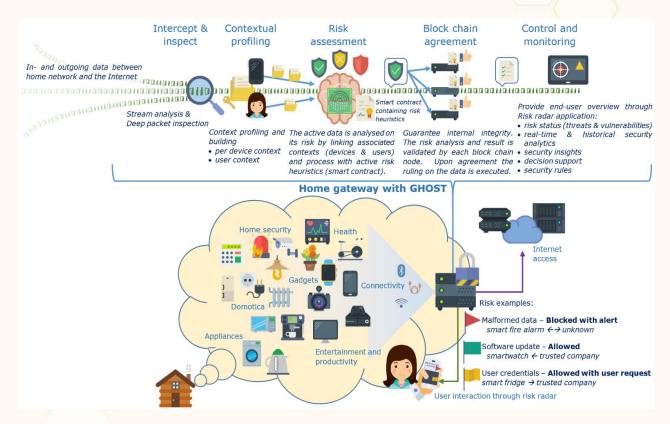


+75 patents





### The concept







### The consortium

	ENTITY	ТҮРЕ		
Televes	TELEVES (Spain)	Industrial partner (Midcap)		
UNIVERSITÉ DE GENÈVE	University of Geneva (Switzerland)	Academic partner		
(i)	CERTH (Greece)	Academic partner		
ONTNU	NTNU (Norway)	Academic partner		
Imperial College London	IMPERIAL COLLEGE (United Kingdom)	Academic partner		
<b>EXUS</b> .	EXUS (United Kingdom)	Industrial partner (SME)		
Karlander Institut für Technologie	Technical University of Darmstad (Germany)	Academic partner		
Kalos Information Systems	Kalos Information System (Norway and Romania)	Industrial partner (SME)		
Cruz Roja Española	CRE (Spain)	NGO		
OBRELA SECURITY INDUSTRIES	Obrela Security (Greece)	Industrial partner (SME)		





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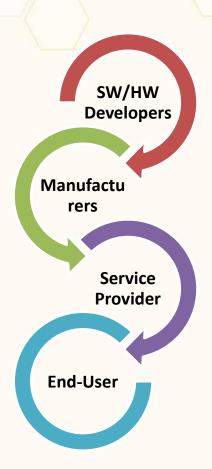


## Exploitability-by-design

When do you start exploitation?

## During the proposal definition!!

- Key points:
  - Take a look to the consortium
    - We have the whole value chain
  - Take a look to the methodology
    - User-driven iterative approach for the development

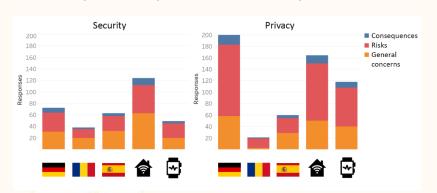






# Useful tools that we have used

- Included in our iterative end-user focused methodology
  - Online questionnaires
    - Awareness, usability of interfaces, etc.
  - Targeted focus groups
    - Review the whole concept (CS management model), multidisciplinary groups, etc.
  - Real-life trials
    - Day to day use of the system, issues during installation, etc.









# Useful tools that we have used

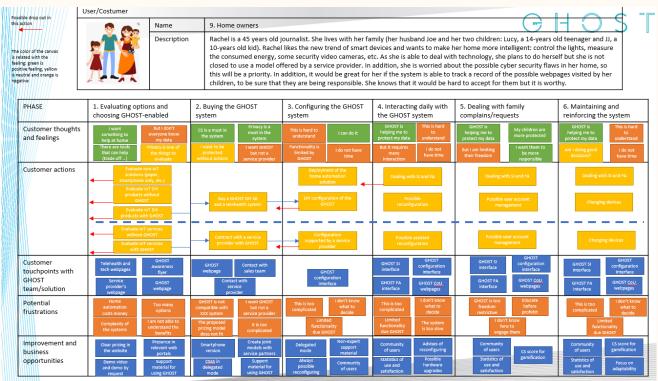
- Additional Tools (I)
  - Product identification
    - Description
    - Potential clients
    - Needed adaptations to reach the market
    - Needed modules
  - Product-IPR identification
    - Expected impact in the market
    - Replaceability

		Product	Product 1	Product 2	Product 3	Product 4	Product 5	Product 6	Product 7
		Description	Description 1	Description 2	Description 3	Description 4	Description 5	Description 6	Description 7
		Potential clients	Clients 1	Clients 2	Clients 3	Clients 4	Clients 5	Clients 6	Clients 7
		Needed adaptations							
		to reach the market	Needed adaptation 1	Needed adaptation 2	Needed adaptation 3	Needed adaptation 4	Needed adaptation 5	Needed adaptation 6	Needed adaptation 7
•		Expected impact in							
		the market //							
Module	Module owner	Replaceability	Very High	Very High	Medium	Low	Medium	Medium	High
Module 1	Partner 1	Difficult	Mandatory	Mandatory	Optional	Optional	Not needed	Not needed	Not needed
Module 2	Partner 2	Difficult	Mandatory	Mandatory	Optional	Optional	Not needed	Not needed	Not needed
Module 3	Partner 3	Medium	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Not needed
Module 4	Partner 4	Medium	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Not needed
Module 5	Partner 5	Impossible	Mandatory	Mandatory	Optional	Optional	Optional	Optional	Not needed
Module 6	Partner 6	Impossible	Mandatory	Mandatory	Optional	Optional	Optional	Optional	Not needed
Module 7	Partner 7	Impossible	Mandatory	Mandatory	Mandatory	Mandatory	Not needed	Not needed	Mandatory
Nodule 8	Partner 8	Medium	Mandatory	Mandatory	Optional	Optional	Optional	Optional	Not needed
Module 9	Partner 9	Medium	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Not needed
Module 10	Partner 10	Open source	Mandatory	Not needed	Mandatory	Not needed	Mandatory	Not needed	Not needed



# Useful tools that we have used

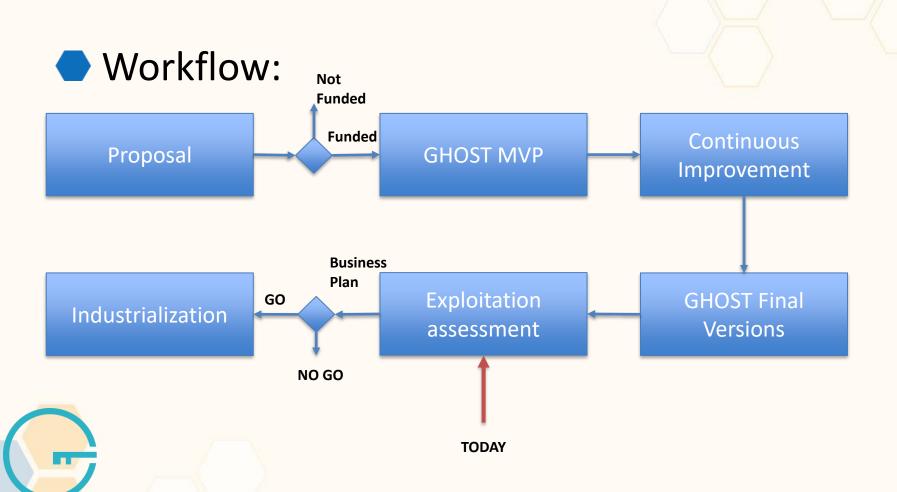
- Additional Tools (II)
  - End-user journey by potential client and phase: customer thoughts, customer actions, customer contact with GHOST solution, potential frustrations, improvement lines







## Our present-future plans



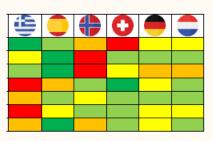


## Our present-future plans

#### Business Plan:

- Key assumption: we will create a shared legal entity for exploitation
- Key points addressed (currently under discussion):
  - Mission and vision
  - Short, mid and long term objectives with specific market, tactical, strategic KPIs
  - Shareholder distribution based on the product and product IPR identification
  - Location and facilities (average costs, resources availability, maturity of entrepreneurship ecosystem, geographical placement, international projection)
  - Current product and services identification (filtered from previously presented)
  - Future product and services identification
  - Market segmentation and analysis
  - Value proposition definition
  - Team definition (CEO, Sales, Developers, etc.)
  - Key financial indicators (annual expenses, annual expenditures, annual revenues, break-even point projection, profit and loses model)









### Our present-future plans

- Finalizing our exploitation workflow
- Pitching our business plan:
  - Internally in the different partners
  - Externally with potential investors (EC, private, etc.)





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