

DomoPrev

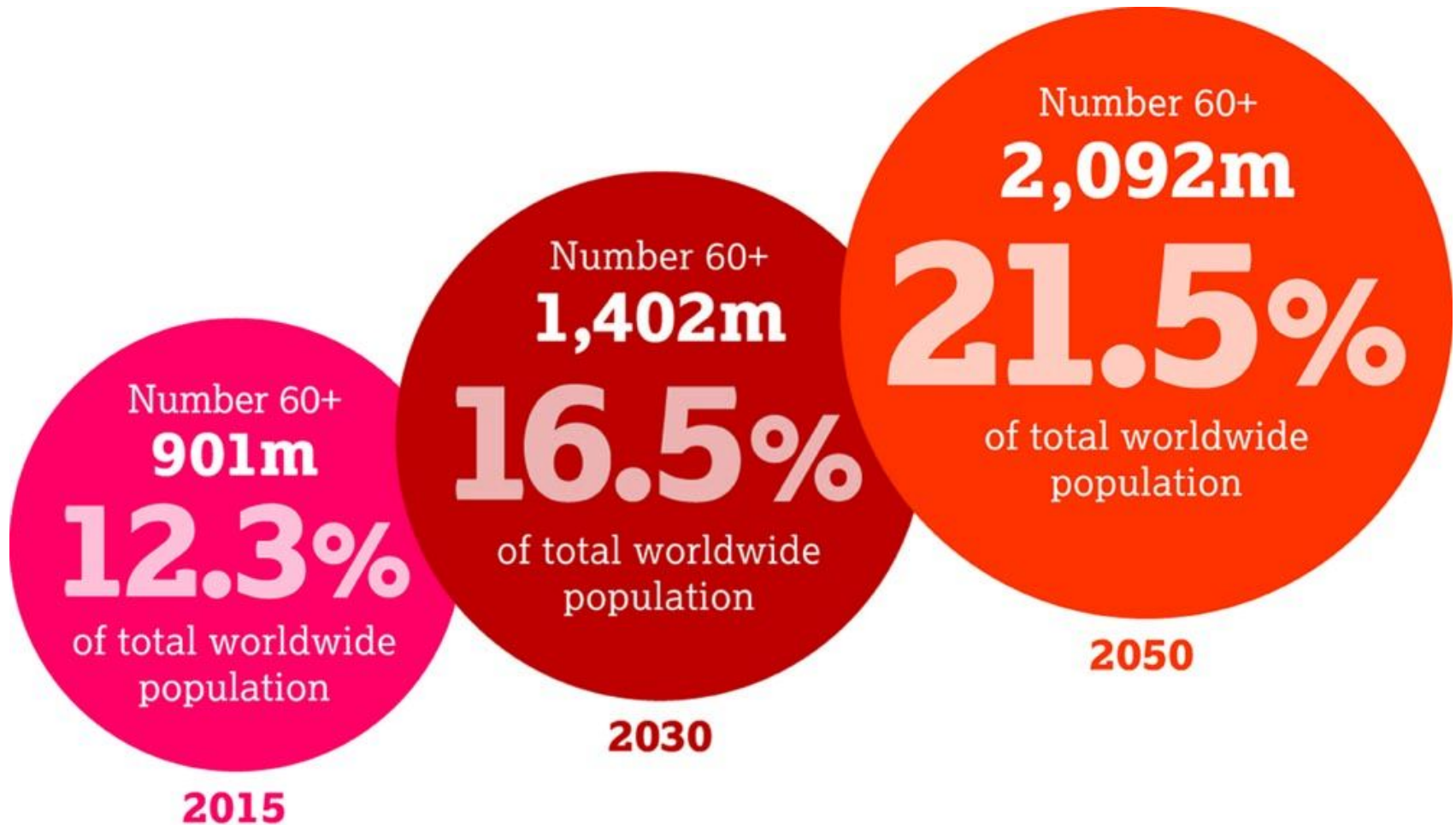


A Smart House for Elderly Assistance

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MS Innovative Smart Systems
Class of 2016 - 2017

Needs



Needs

- Transition in self-sustainability capacity
- Isolated elderly people
- Prevention is better

Overview



Context

- Achieve our MVP (Minimal Viable Product) by end of January
- Pursue the project's advancement: LAAS CNRS.
- Development of disease detection models in collaboration with medical researchers
 - Simple model 1-2 years
 - Complex model 3 years
- Refine interaction with the robot within 3-4 years.

Technological analysis

Partial solutions

Health monitoring bracelets



Body Temperature Bracelets



Competition

No direct competitor



Solution

Prognosis

Alert System

First Aid with Robot

Economical Analysis

Targets

Elderly people and their family



Private Insurances



Channels

Private insurances



Associations for elderly people



Economical Analysis

Values

Easy use

Reliability

Adaptability

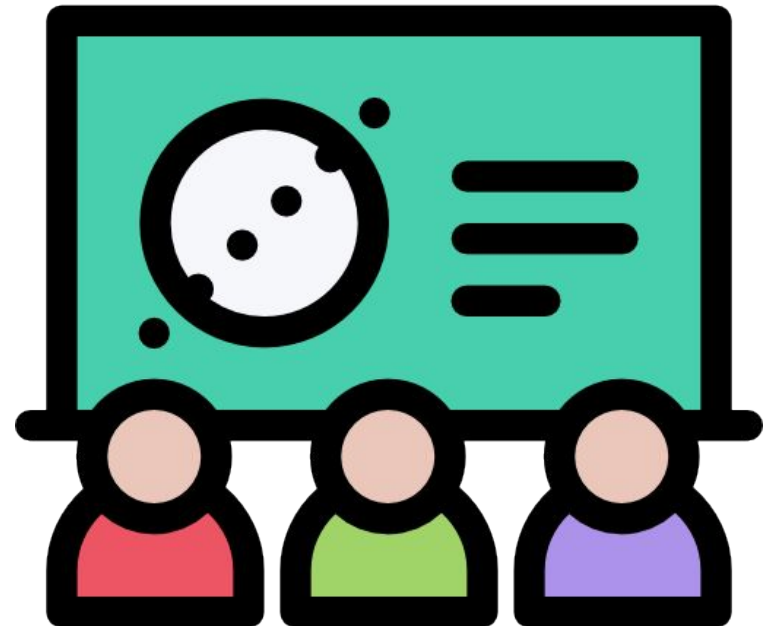
Human interaction

Security



Economical Analysis

Relationship



Organization

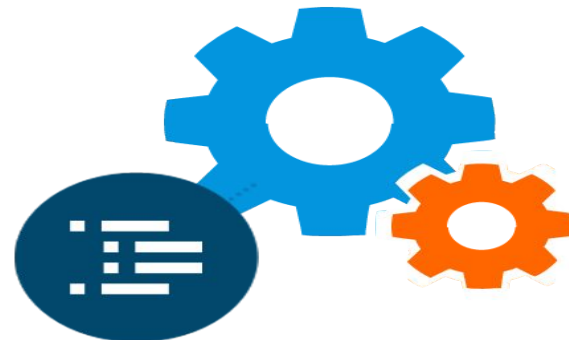
Internal

Key activities

- System development
- Maintenance
- Generation of detection models
- Analysis of needs
- Installation
- Central server

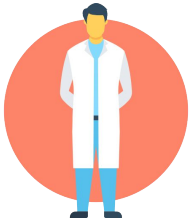
External

- Medical researcher
- IoT industry



Cost

Development cost

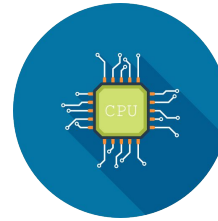


Detection model
→ unsupervised learning



Supervision application

Additional cost



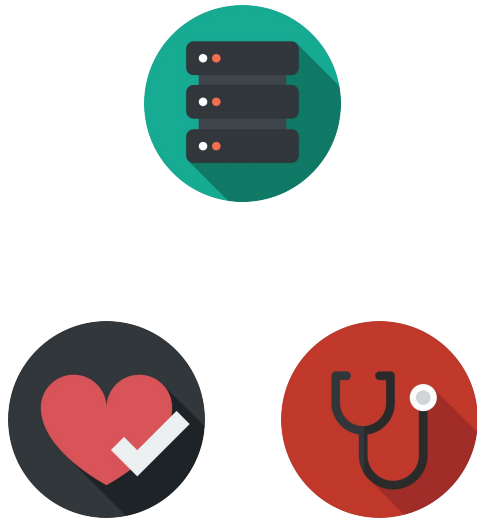
Hardware acquisition



Maintenance

Revenue

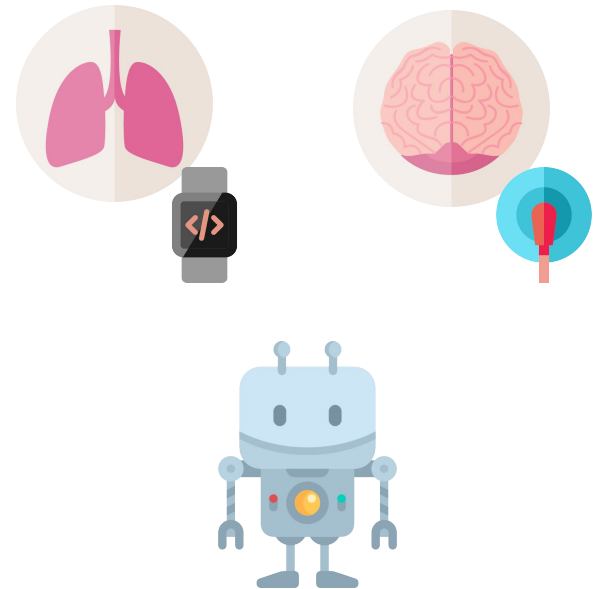
Basic bundle



~2000€

+

Custom extensions



variable cost

Acceptability



Easy to use

Reassured children



Prevention for
lesser expenses

Conclusion
