

IntelliFood and Seacon Europe



- Software development, consulting
- Data management, DW + MIS, Business intelligence
- Business solutions, Market products
- IT and Information Security
- Fleet controlling
- Food Industry



R&D

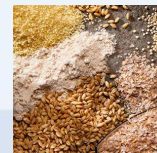
- National programs, Innovation
- H2020 and SME Instrumental, Eureka/Eurostars
- Finish Accelerator program



IntelliFood and business partner



- Trading food raw materials/commodities and mixes
- Purchasing raw materials from foreign partners
- Manufacturing complex mixes
- Delivering the raw materials and semi-finished products
- Distributing raw materials for food industry (bakery mixes, vegetable fats, fruit fillings)



The problem - Customer's pains

There are quality complaints on customer sides, because of certain materials (commodities) and mixes are **sensitive to temperature, light and humidity**.



from suppliers

- Nederland
- Germany
- Poland
- France



Temperature



Sunlight



Humidity



Temperature



Humidity



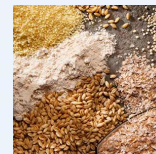
Temperature



Sunlight



Temperature



Humidity

raw materials

HuBakers MIX



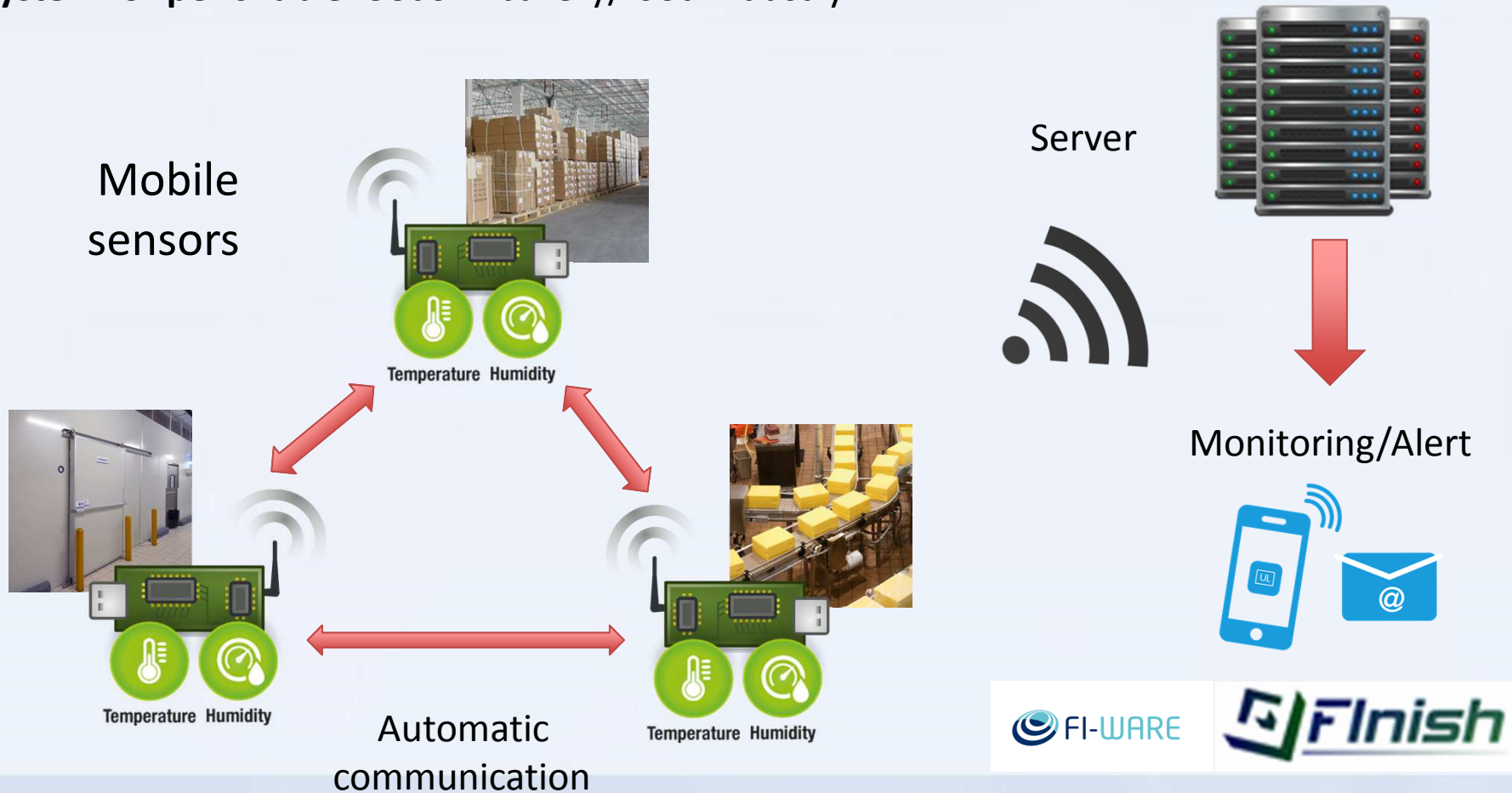
to customers

- Hungary
- Romania
- Slovakia



IntelliFood solution

Development and implementation of **Intelligent Process Monitoring and Control system for perishable foods** in bakery/food industry



Innovative aspects

Special hardware-software architecture

Low level: foolproof sensor network which can be maintained with ultra low energy

Top level: intelligent information software system for supply chain providing complex analysis, controlling software based on objective measurements

Objectives

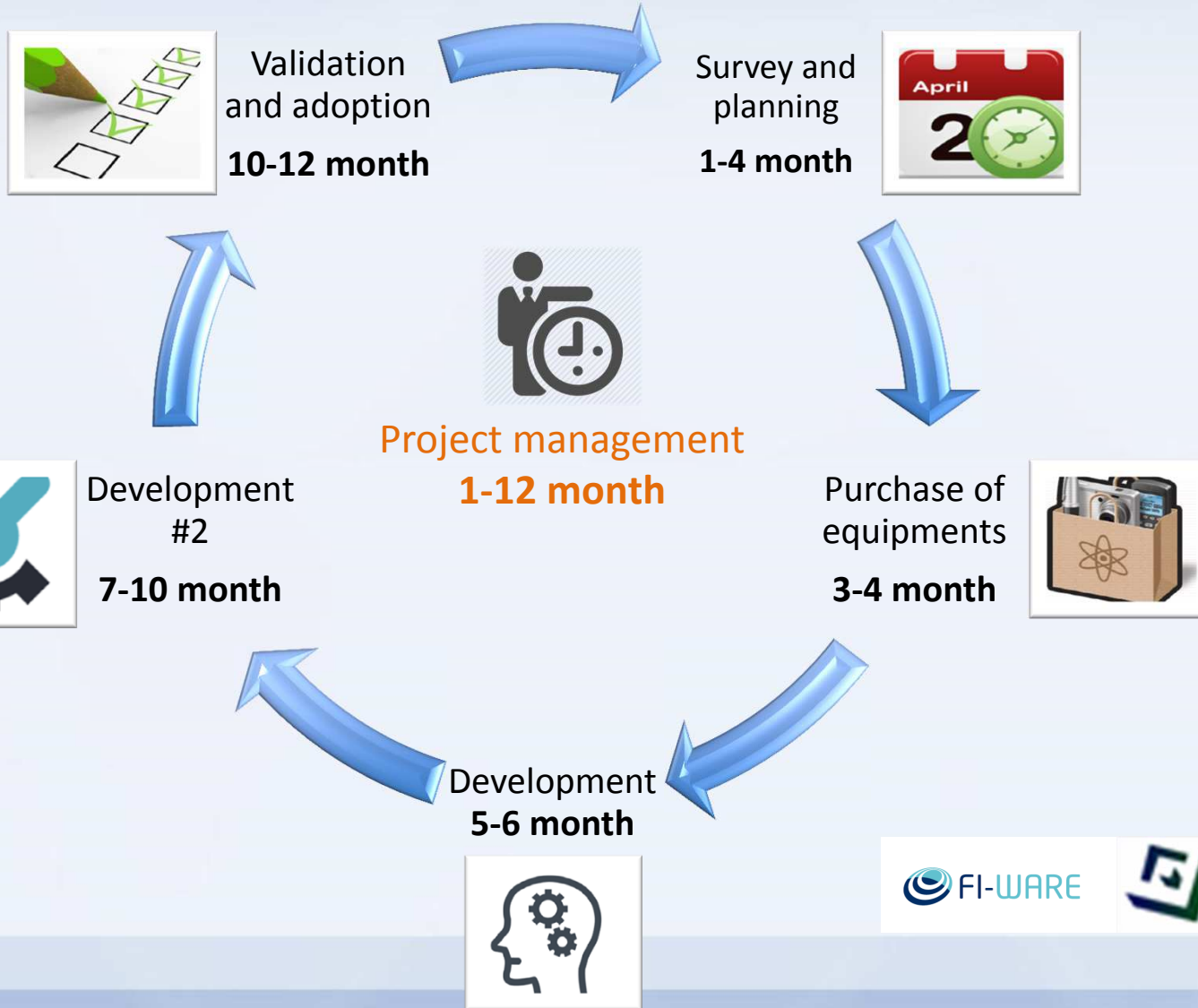
- Food safety
- Quality assurance and traceability
- Comprehensive visualization, intelligent analyses
- Optimization of food production and storage (transport)
- Cost-cutting
- FIWARE based application

Market opportunities

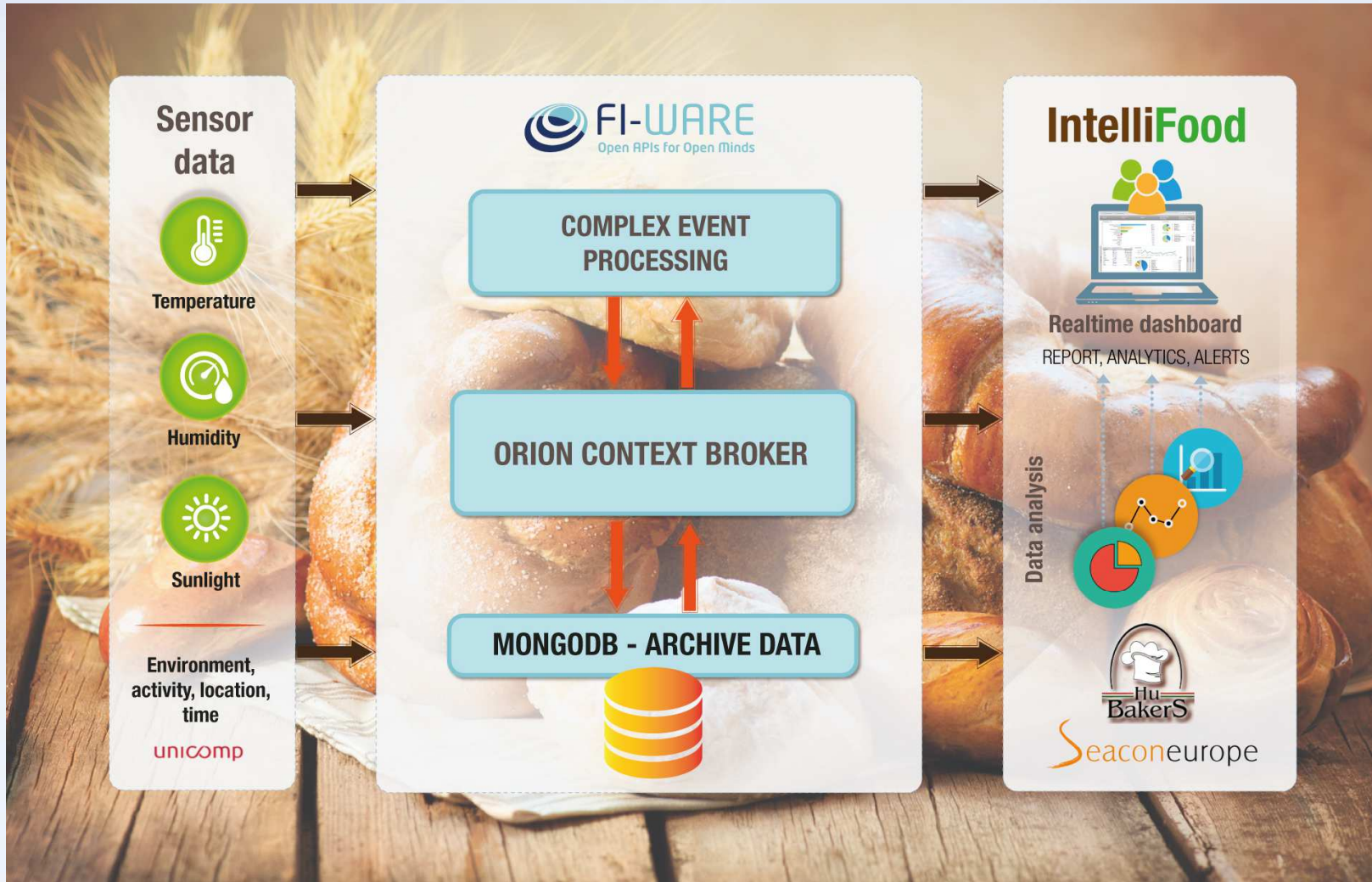
IntelliFood is a specific project but we will target the next customer types:

- commodities, raw material, product suppliers
- transport/service providers
- farmers
- producers, manufacturers
- bigger customers covered more phases of the supply chain

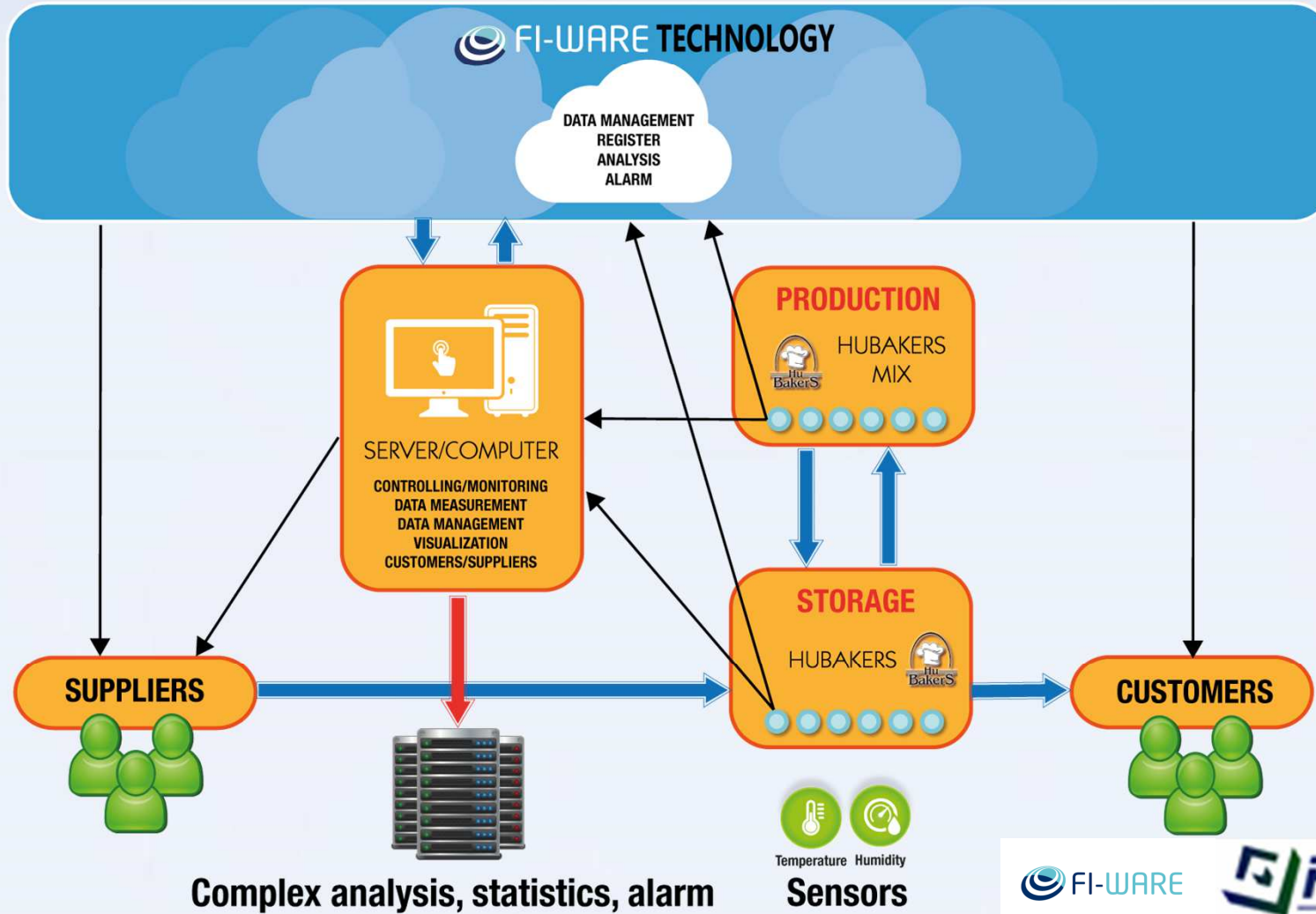
Project phases



FIware technology



Overview



IntelliFood and the future

Scalability in business

- storage/production capacity
- raw material/product portfolio
- suppliers/customers groups
- applicability in other perishable food sector, such as fish, fruit and vegetable
- applicability in interdisciplinary areas together with the food sector such as wending machine, logistic

Technology aspects

- extended goal of the measurements (using more and/or new sensors)
- changing the setup of the measurement (frequency)
- data management