

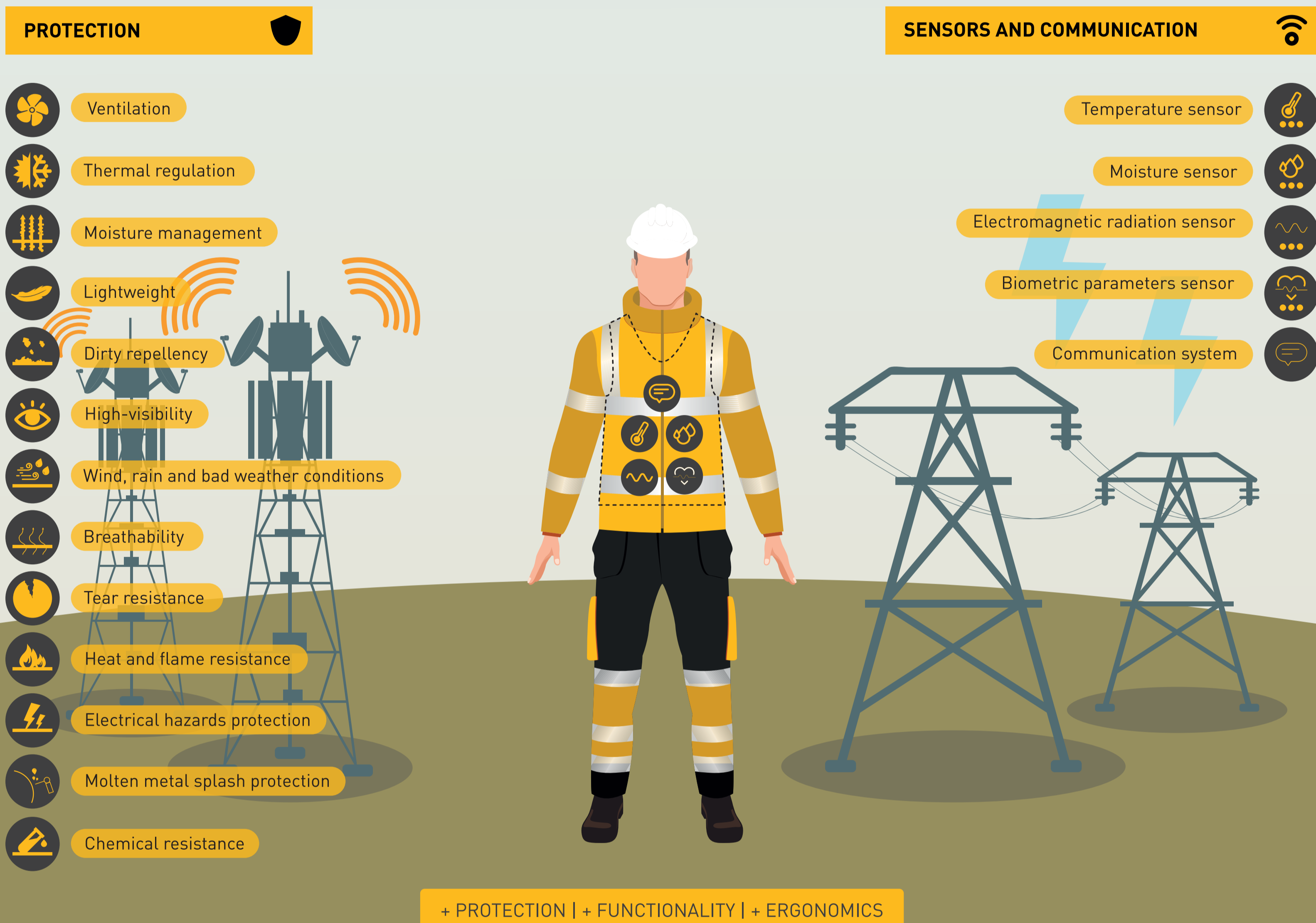
# iP.VEST

## OBJECTIVES

Develop multi-functional textile structures with intelligent hybridization for technical and functional multi-risk protection clothing purposes, as well as sensing, hardware and firmware control, interface system and software and data transmission systems focused on ICT (Information and Communication Technologies) and Energy industries professionals.

## CONCEPT

Intelligent multi-risk protective clothing system, featuring integrated sensor system to increase user protection, in order to prevent and reduce health and safety issues.



## RESULTS

The Consortium conducted an evaluation survey for needs assessment and risk identification and users requirements for experienced technicians from several certified companies in Portugal and other countries.

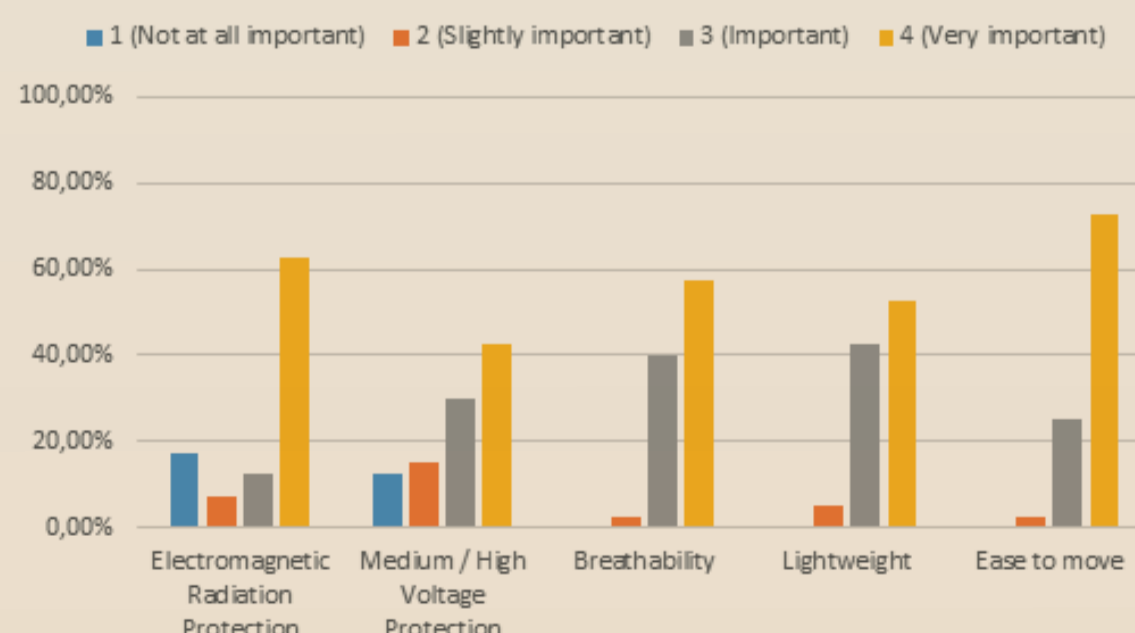
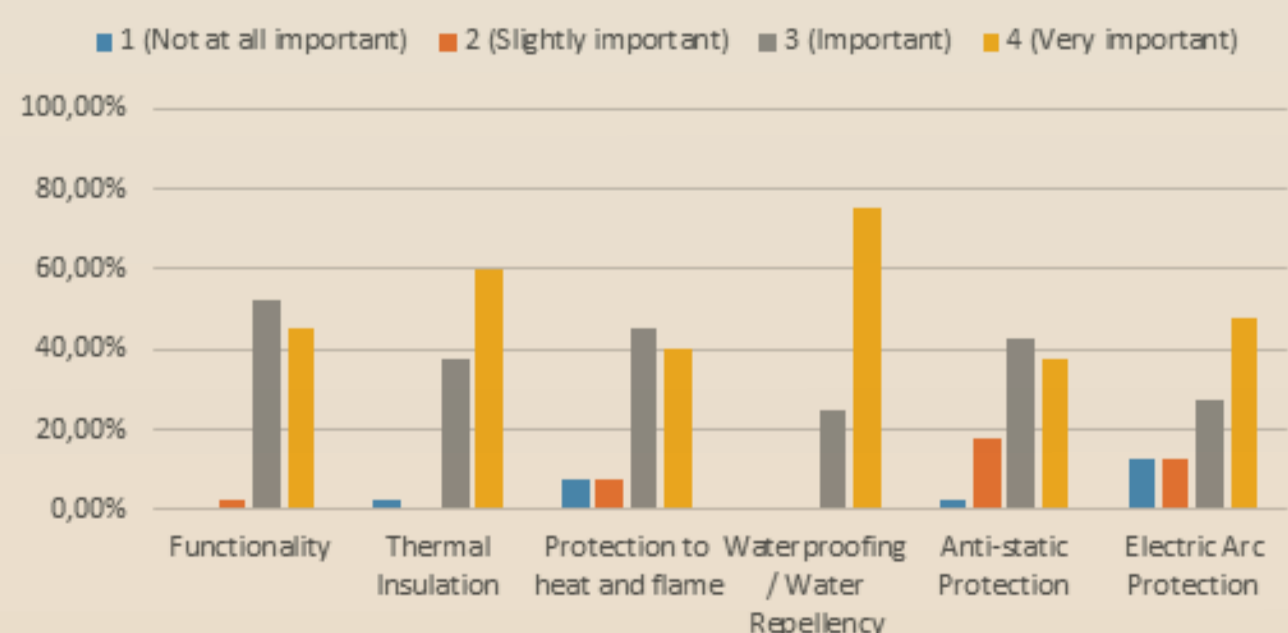
Evaluation Survey	Nr. of answers
Multi-protection Protective Clothing - Evaluation Survey	40

### Part A - Main Problems Identified

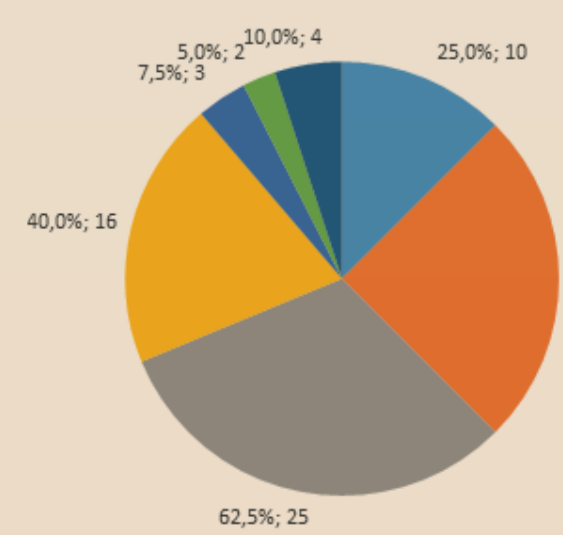
Tear resistance | Thermal Comfort | Impermeability | Freedom of movements | Electromagnetic radiation protection | Light weight | Corporate image | Breathability | Ergonomics | Durability

### Part B - Proposal Improvement - Some Results

- Some characteristics identified as important:

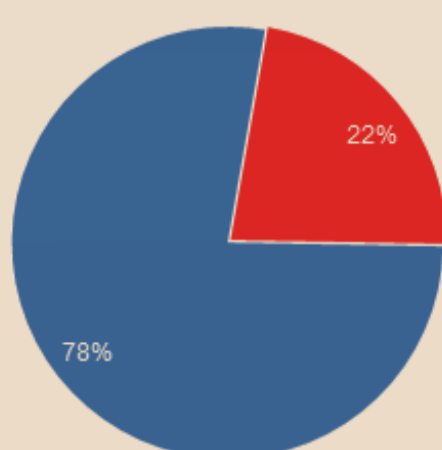


- Is it useful that the PROTECTIVE CLOTHING is integrated?

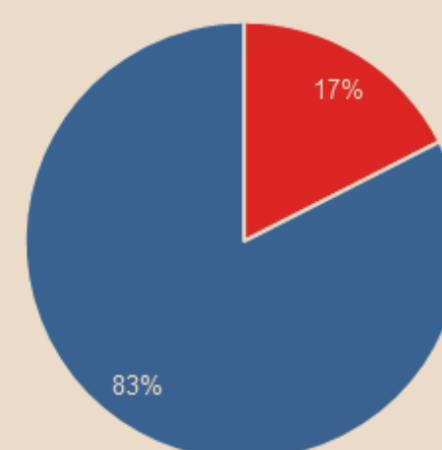


- Monitoring Sensor: Moisture
- Monitoring Sensor: Temperature
- Monitoring Sensor: Electromagnetic Radiation
- Monitoring Sensor: Biometric Parameters
- Voltage Sensor
- Wind Sensor
- No

- Is it appropriate to incorporate sound alerts into the monitoring / alert system?



- Is it important that the sensors be removable / plug & play?



### CONSORTIUM



### CO-FUNDING

