

INTELLIGENT PROTECTIVE VEST

Development of multi-functional textile structures endowed with sensing system in order to increase user protection, prevent and reduce health and safety issues for Telecommunications and Energy professionals.



RESULTS & FEATURES

The Consortium conducted a survey involving 59 experienced technicians from several certified companies in Portugal and other countries in order to identify workers needs and risks. That survey led to the definition of users requirements, essential to the research and development stage.

SENSORIZATION

- Temperature sensor
- Moisture sensor
- Electromagnetic radiation sensor
- Biometric parameters sensor
- Communication system
- Alerts
- Bluetooth
- Cloud
- Battery

ERGONOMICS COMFORT &

- Ventilation
- Thermal regulation
- Moisture management
- Lightweight
- Wind, rain and bad weather conditions
- Tear Resistance

PROTECTION

- Cold
- Waterproof
- High-visibility
- Heat and flame
- Anti-static
- Molten metal splashes
- Liquid Chemicals
- Arc Flash

