









NTELLIGENT PROTECTIVE

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 & Figure 1. 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

Biometric parameters sensor

Communication system

Alerts

Bluetooth

Cloud

Battery

PROTECTION

Cold Waterproof

High-visibility

Heat and flame

Anti-static

Molten metal splashes

Liquid Chemicals

Arc Flash

ERGONOMICS



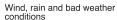
Ventilation



Thermal regulation

Moisture management

Lightweight



Tear Resistance