

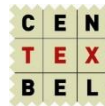


Picture alliance / dpa

Req2Cert - smart PPE

"From requirement assessment to certification - Development of a Certification Framework for Intelligent/Smart and complex PPE"

Jan V. Jordan – *Coordination of PPE at ITA*



From requirement assessment to certification - Development of a Certification Framework for Intelligent/Smart and complex PPE

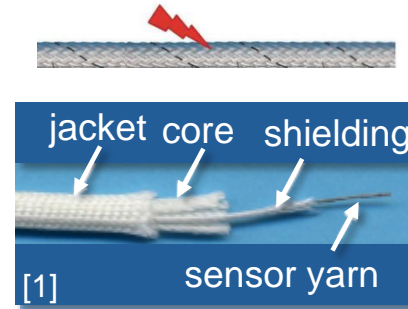
Project structure (ICT-34-2018-2019 – „PCP open“)

- enable **public procurers** to **collectively** implement Pre-commercial procurements (PCPs), close the gap b/w supply and demand for innovative ICTs
- Budget: max. 6 mio.€
- Potential project goals:
 1. Establishment of a **certification framework** to allow the procurement of innovative, complex personal protective equipment (PPE)
 2. Establishment of a procurement and development process comprising members of **all relevant stakeholder groups** for the procurement of innovative, complex PPE
 3. Considering all types of PPE **or** focusing on **smart PPE for firefighters**

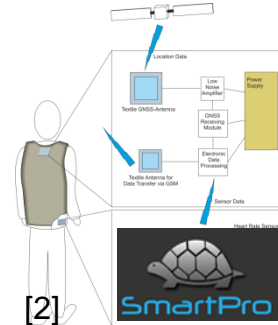
From requirement assessment to certification - Development of a Certification Framework for Intelligent/Smart and complex PPE

Smart PPE have the potential to...

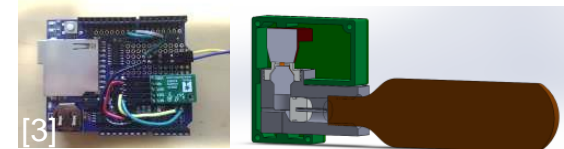
- ... obtain + transmit information
 - on the health state of the PPE system
 - on the health state of the user
- ... automatically
 - detect a hazard and warn the user
 - identify a situation of accident, initiate an emergency call and localize the user
 - detect and neutralize or compensate a hazard



„Smart RopEx“-monitoring



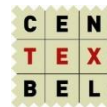
„SmartPro“-vest



Sensor-based airbag for fall protection

Procurers still *face the problem* of not being able to procure PPE which has *not obtained a CE-label yet*

- Potentials of smart PPE cannot be put into practice
- Needs of end-users for increased level of safety cannot be satisfied
- Accident numbers remain at a high level
- Procurers cannot offer these valuable solutions to their customers



New generations of PPE – smart enough?

Approach and partners sought

- Follow-up of EU project „Susta-Smart“
 - Establishment of a certification framework for smart/complex PPE
 - Completed in January 2014
 - Result: „**Draft** Version“ of a guideline for stakeholders
 - Still pending: Finalization of Guideline and transfer into application
 - **Current need:** Bringing together stakeholders, sharing the concerns, discussing solutions (Adaption of PPE Directive?, Inclusion of Insurances? Ethical investigations?)
 - Partners sought: Procurers, interested manufacturers, notified bodies and end-users

Thank you for your kind attention

Looking forward to getting in touch with you!

