



Intervention coordination

Remote monitoring

Communication & data relay

Intuitive visualization

Data logging

Audiovisual alerts

Body temperature

Environmental temperature

Toxic gasses

Active illumination

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THREE LEADING EUROPEAN PUBLIC PROCURERS ENVISION TO CO-DEVELOP, FINANCE AND PURCHASE THE NEXT GENERATION SMART PERSONAL PROTECTIVE SYSTEMS

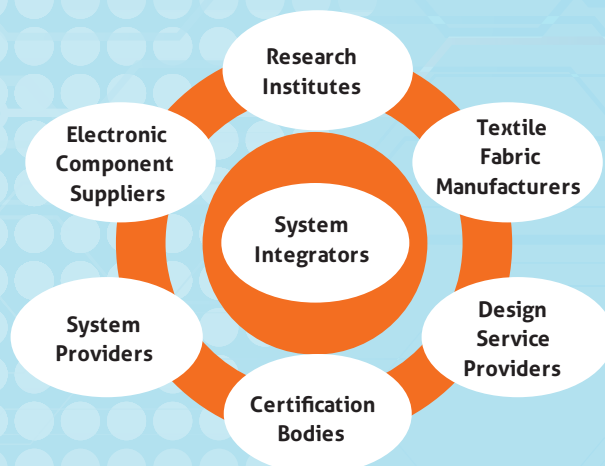
Continuously operating in perilous situations, firefighters need a solution to **monitor, measure, interpret and act on the environment** (persons, equipment & external conditions). The solution must combine safety and comfort, in all situations (buildings, forests, highways,...).

Based on an in-depth needs assessment, Smart@fire envisions **the next generation Smart Personal Protective Systems** for firefighters. Those integrated systems cover:

- ◎ **Localization systems:** determine position in relation to colleagues and hazards, in buildings, forests, ...
- ◎ **Data transfer and visualization:** provide an intuitive dashboard to the remote coordinating officer
- ◎ **Sensing:** measure environmental parameters and firefighter's vital functions

TARGETED TECHNOLOGY SUPPLIERS

**SMART@FIRE INVITES TARGETED
TECHNOLOGY SUPPLIERS AND EXPERTS TO
PARTICIPATE, SHARE INSIGHTS, CO-DEFINE
& DEVELOP INNOVATIVE PROTOTYPES.**

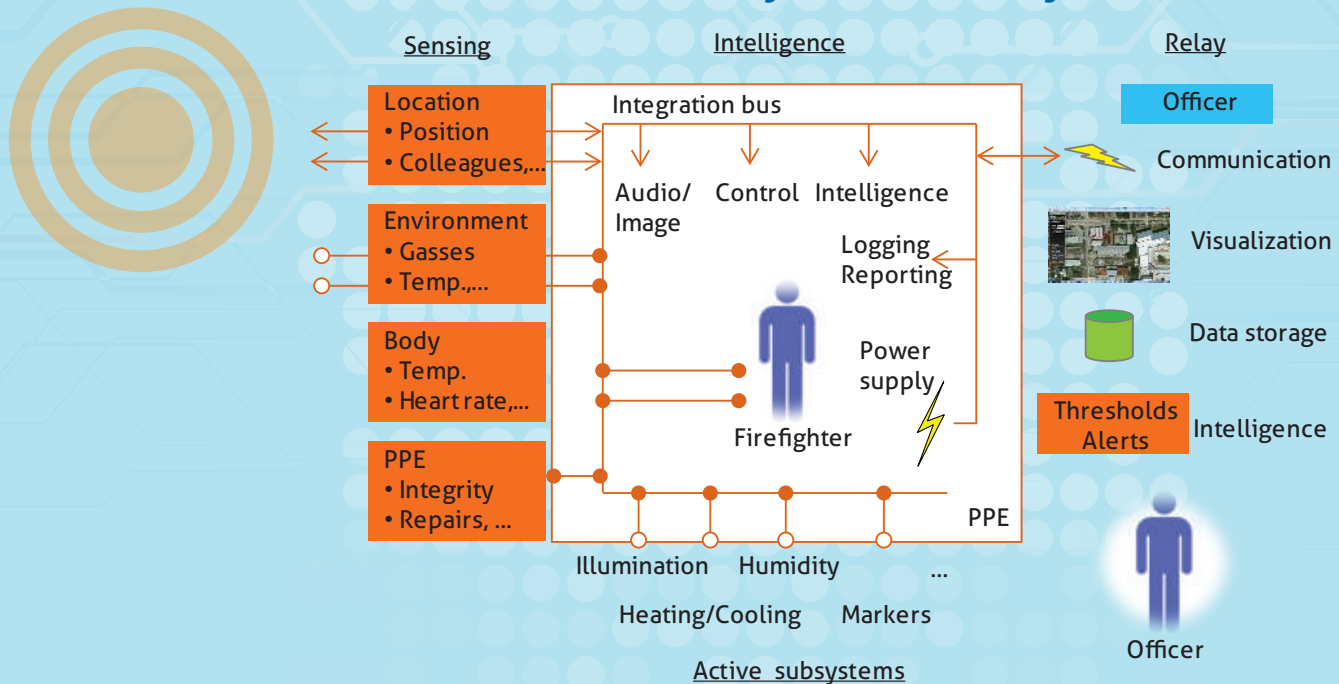


Smart@fire is a European project (€2,2 m) aimed to finance companies and researchers to develop Smart Personal Protective Systems for firefighters. A novel tendering procedure is used, known as Pre-Commercial Procurement (PCP), developed by the Innovation Agency (IWT).

Novel tendering procedure Pre-Commercial Procurement (PCP)

- ◎ **STAGE 1 Market consultation sessions** where technology suppliers and procurers engage with each other & fine-tune the **scope of the prototype**.
- ◎ **STAGE 2 Pre-Commercial Procurement:** Development and testing of working prototypes, financed by the European Commission and procurers.
- ◎ **STAGE 3 Cross-border EU procurement** to purchase the next generation Smart Personal Protective Systems on a large scale.

Smart Personal Protective System - Vision of solution



Convinced about the opportunity? Go to www.smartatfire.eu
Register for *STAGE 1*: market consultation sessions

September 2013 > Brussels (BE)

- 10/9: Localization systems for Smart Personal Protective Systems
- 11/9: Integration of the systems in PPE

September 2013 > Marseille (FR)

- 17/9: Data transfer & visualization for Smart Personal Protective Systems
- 18/9: Integration of the systems in PPE

October 2013 > Dortmund (DE)

- 1/10: Sensors for Smart Personal Protective Systems
- 2/10: Integration of the systems in PPE

Final event > Brussels (BE)

- 10/10: Final conclusions & networking event

Smart@Fire (2012-2015) is financed by the European Commission (FP7), Innovation Agency (IWT), the Belgian Federal Home Affairs Ministry (IBZ) and the French SDIS13 Fire Department Bouches-du-Rhône.



Participating partners:

