

Reaction to Emergency Alerts using voice and Clustering Technologies

REACT improves incident call handling, management and decision making by giving agencies the power to share information.

European Partners
involved in **REACT**



www.react-ist.net



EC 6TH FRAMEWORK
IST-2005-033607



REACT

Saving lives with
technology

A call is made to the control room of the Fire Brigade reporting a factory on fire.

SCENARIO ONE: **WITHOUT REACT**

No other incidents are visible on the GIS mapping system in the immediate vicinity (as defined by the red circle). The Fire Brigade immediately dispatches a small number of units to the scene.

**'Fire Brigade... Help!
There's a fire at
the factory in
West Street!'**

SCENARIO TWO: **WITH REACT**

REACT quickly identifies calls made to the emergency services that are related to the incident (as defined by the blue circle). As the situation is more complex a larger number of units are dispatched. All the emergency services are better informed about the total situation and can share information more easily thanks to **REACT**.

**'Police... Help! There's been an
accident in North Street!'**

**'Ambulance... Come quick! A man
has been injured in East Street!'**

**'Fire Brigade... there's a strong
chemical smell coming from
near South Street!'**



REACT provides more information to the operator leading to:

Better decision making • Better situational awareness • Better response

- Features
- Voice recognition for language or communication problems
 - Clustering to aid the prediction of incident severity
 - Interoperates with existing agency applications
 - Customisable security options
 - Full data audit trail
 - Robust system working 24/7

About the **REACT** Project

REACT is a two and a half year long 6th Framework European Commission Project finishing in February 2009. The project consortium includes a mix of academic, technical and emergency service organisation from across Europe and is being co-ordinated by IES Solutions. The project is being developed with user requirements in mind and is being monitored by a Scientific Advisory Group that provides an independent overview.



EC 6TH FRAMEWORK
IST-2005-033607

