State-of-the-Art Technology in support of Disaster Management.

T-Systems.
Enabler of connected life and work.

Jurry de la Mar.
T-Systems International GmbH.
Telekom

The Telekom subsidiaries provide products and services for the fixed network, mobile communications, the Internet and IPTV in Europe.

T-Systems

T-Systems delivers ICT solutions for major corporations and public-sector organizations worldwide.

T-Mobile

T-Mobile offers cell-phone solutions in the Netherlands, Austria, the Czech Republic and the USA.

Deutsche Telekom.
Partner for connected life and work.

Deutsche Telekom delivers one-stop services and solutions: for all customer communications needs – at home, on the move and at work.
Deutsche Telekom. Facts and figures.

We make the right connections.
- **Market position.** No. 1 on German market (phone, mobile, IT)
- **International.** Presence in over 50 countries worldwide
- **Revenues.** €64.7 billion, more than 50% generated outside Germany
- **Employees.** 251,000 worldwide, more than 50% outside Germany
- **Customers/connections.** Over 180 million (broadband Internet, phone, mobile)

We run our business responsibly.
- **Eco-friendliness.** Driving force for sustainable climate protection through the development of energy-efficient ICT solutions, both for ourselves and our customers
- **CSR.** €100 million provided by Deutsche Telekom Foundation for improving German education system.
  11,000 trainees and apprentices, the largest number of any organization in Germany.

We think ahead.
- **Innovation and cooperation.** Member of over 50 international committees and more than 150 work groups
- **Deutsche Telekom Laboratories.** The company operates an R&D center affiliated to the Technical University of Berlin where 125 staff and 65 researchers from all over the world work in the field of IT and telecommunications
- **Deutsche Telekom Laboratories at Ben Gurion University.** Performs research into security solutions for telecommunications networks

Deutsche Telekom – an international market leader for connected life and work.

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**T-Systems**
Reference: Eye in the Sky.
Innovation strategy.

The customer.
European Commission (FP7 Project). – Objective to validate intelligent transport infrastructures, with focus on the management of large-scale events, crises management and the specific requirements in urban areas.

The challenge.
- Emergency support during large-scale events
- Fleet Management
- Customized mobility information

The solution.
- Use of low-altitude flying platforms (helicopter, zeppelin) and floating car data.
- Establishment of a service platform, that can also perform as backup for communication needs during natural disasters.
- Consortium involving Universities, Research Centers and Industry.

The benefits.
- Consolidation of user requirements resulting from Athens and Sydney Olympics, Hannover Fair
- Successful pilot and validation during Athens Olympic Games (2004).
T-Systems – what we support today.

- Building and operating a professional infrastructure for Galileo services
- Support Disaster Management e.g. for Maritime, Earthquakes, Floods, Landslides and Forest Fires
- Coordinated Emergency Response
- Real-time information even when basic infrastructures fail

- Distributing Earth Observation Data in real-time over high-speed networks
- Supporting development of large-scale computing facilities, distribution networks and archives
- Supporting development of real-time downstream services for end-users
T-Systems accelerates innovation through its international research network.

- worldwide systematic identification, development and implementation of new ideas
- collaboration with universities and research institutions
- future-oriented partner management (co-innovation)
- customer requirements and pain points
- participation in standardization and similar bodies
- involvement in industry associations
- market trends
- analysts
- Deutsche Telekom Labs (R&D-projects focusing on time-to-market of less than three years) > knowledge-transfer projects
T-Systems – Examples of innovation potential.

- Who, What, When and now Where!
- One of the fastest growing mobile apps (e.g. Facebook, Foursquare, Gowalla)

How to exploit geo-location for disaster management?