



The ESA Business Incubation Centre in Darmstadt, Germany, was founded in 2007 and is managed by Centrum für Satellitennavigation Hessen (cesah). The centre offers business start-up support as well as technical expertise in different space related areas, and in particular in satellite navigation, data systems, software systems and navigation test environments.

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## samango GmbH

Samango stands for "software and management to go".



Website

**Founded in 2005 by**

- **Sven-Peter Braun**

**Incubation period**

16-11-2007 to 30-11-2008



space solutions

Alumni

## About samango GmbH

samango GmbH is an innovative IT company with its own product development on the market. From the proximity of research we realize ideas in the area of data acquisition and evaluation in combination with geo-data on mobile devices. With custom-designed developments we work out efficiency increasing online-solutions. The major competences are the development of high-performance-online services, as well as of client-server solutions.

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## The challenge

Our product 4d-miner makes it possible to record data in the field using commonly

available mobile devices to code the data immediately together with its geo coordinates, and to simultaneously transfer the data to existing systems for analysis. Modern cell- and smart-phones allow the mobile collection of multimedia data. In the field, photos, videos, audio notes and alphanumerical data can be recorded easily with inexpensive hardware. This data is compiled together with the related positioning data and the time on the mobile client to produce geocoded data sets. The data can then be transferred to the 4d-miner server synchronously via GPRS, UMTS, WLAN or at a later point in time per cable. The 4d-miner middleware provides interfaces for analysis and post-processing.

## **The solution**

Space technology and expertise are deeply integrated into the system.

Currently GPS is used at 4d-miner to make it possible to record data in the field using commonly available mobile devices to code the data immediately together with its geo coordinates. Later the Galileo navigation system could be integrated.

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