



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.

ANLU Navigation GmbH

ANLU Navigation GmbH offers a technology solution for highly specialized applications.



Website

Founded in 2007 by

- Yunfei Hoffmeister-Han

Incubation period

13-11-2007 to 31-03-2009



space solutions

Alumni

About ANLU Navigation GmbH

ANLU Navigation GmbH offers a technology solution for highly specialised applications of satellite navigation data, providing increased functionality, accuracy, availability and reliability. In the frame of its incubation project at cesah, Real-MIT (Real time Multipath Identification Technology), ANLU has developed two high-tech products targeted at a variety of industrial customers.

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The challenge

These products, the 'RTK Survey System' and 'GPS Compass', are based on the principle of computing the three-dimensional relative position between two antennae. The RTK Survey System allows precise positioning relative to a reference point with known coordinates; GPS Compass allows direct calculation, from the position difference, of the absolute orientation angles, e.g. azimuth and tilt. Previously, for vehicles, for example, such calculations (without satellite data) were only possible using complex technological devices, such as gyroscopes.

The solution

To be updated
