

Cartographic Mapping with Aero-Sensing's Interferometric SAR Systems  
(a technology to make this possible anywhere – anytime)

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Aero-Sensing Radarsysteme GmbH is a private enterprise founded in early 1996 by scientists of the German Aerospace Research Establishment (DLR). The know-how represents the latest in international radar technology. In particular, the application of radar interferometry with a highly automated evaluation of the mission data, permits Aero-Sensing to accurately determine height and to generate three-dimensional images of the earth's land and water surfaces, independent of weather and light conditions. Since the development and construction of Aero-Sensing's first interferometric Synthetic Aperture Radar (SAR) system, the company grew steadily, running now four different Radar Systems on their own airplane and employing 36 employees. The major national and international scope of application is to supply the world with essential basic data information for the building and further development of infrastructures.

The presentation at the conference will give the audience a brief introduction into the structure of the company and the various ways of cooperation services with partners or customers. The following technical description of the airborne systems which are in use by Aero-Sensing will be the basic for understanding the variety of products offered. Parts of the spectrum of products derived by this new technology will be presented and discussed in detail. The future plans of Aero-Sensing with focus onto the South American markets will conclude this presentation.