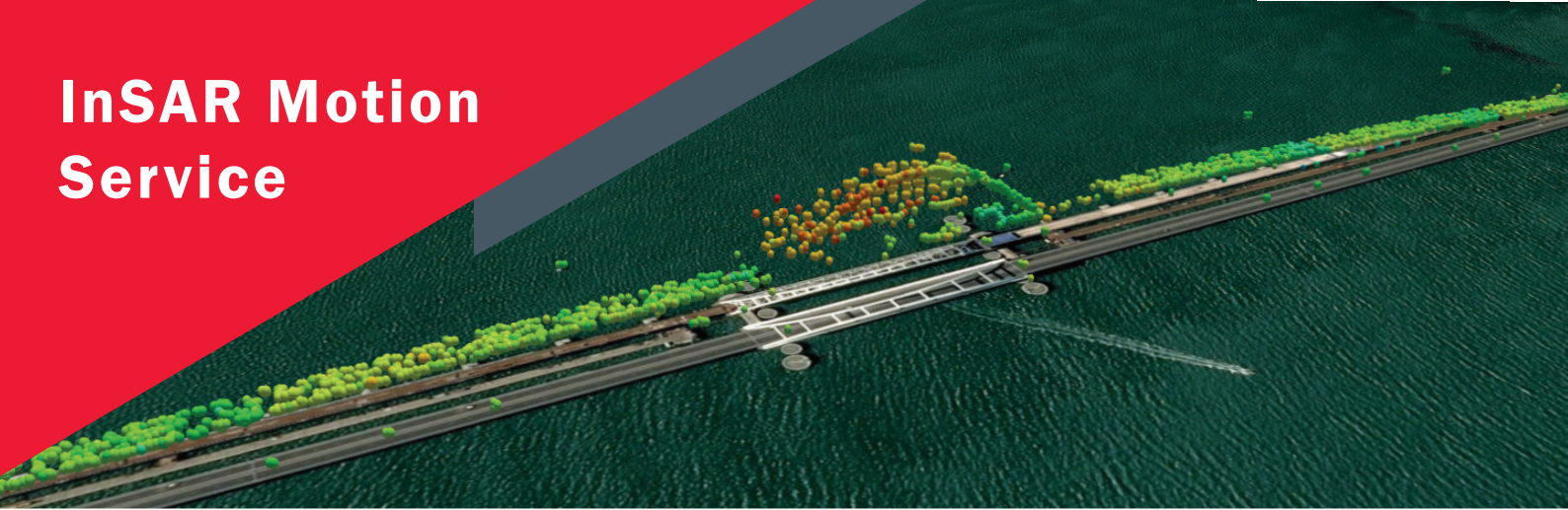


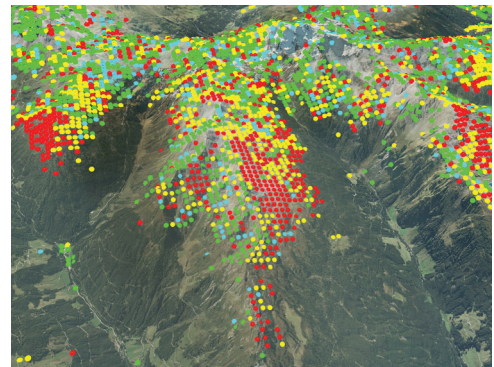
InSAR Motion Service



Interferometric Synthetic Aperture Radar (InSAR) is a recognised technology for using SAR signals that are processed through sophisticated computer algorithms to: detect quality assured terrain movements with high accuracy in mm range, create digital terrain models, as well as provide data analysis for a wide range of applications and user requirements.

KEY FEATURES

- Persistent and Distributed Scatterer Interferometry methodology (PSI/DSI)
- Adaptable point densities
- Historical and new acquisitions
- Vertical and horizontal component of terrain movement
- Potential hot spot analysis
- Target specific tasking using commercial SAR-systems
- Customised production, evaluation and analysis capabilities



Active landslide deformations in alpine regions (3D visualisation in GAFmap®)

TO WHOM



INFRASTRUCTURE
PLANNING



INTER-/NATIONAL
AUTHORITIES



DEFENCE &
INTELLIGENCE



MINING &
GEOLOGY



DISASTER
MANAGEMENT



URBAN
PLANNING



INSURANCE &
REAL ESTATE MARKET



CLIMATE
SERVICE



CIVIL
ENGINEERING

...

AND MANY MORE

CAPABILITIES



STATE-OF-THE-ART
PROCESSING
METHODOLOGY



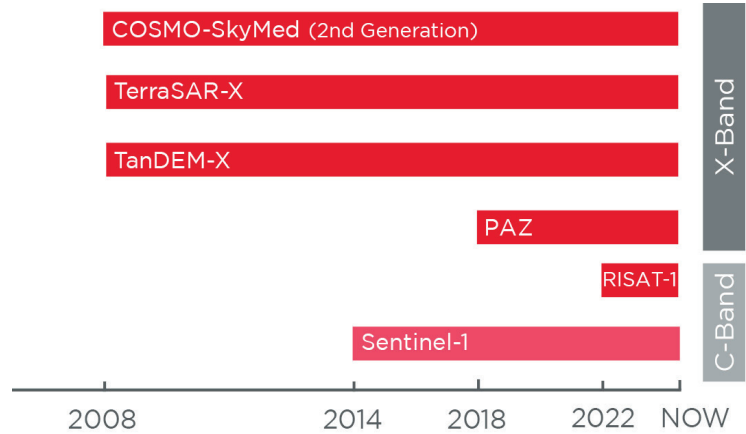
CUSTOMER-SPECIFIC
PRODUCTS



FLEXIBLE

AVAILABLE SAR-SYSTEMS

GAF uses and distributes operational systems as well as upcoming appropriate SAR-missions for interferometric data evaluation and especially InSAR ground motion analyses.



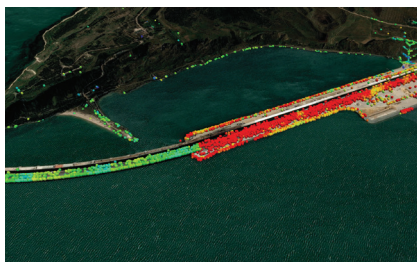
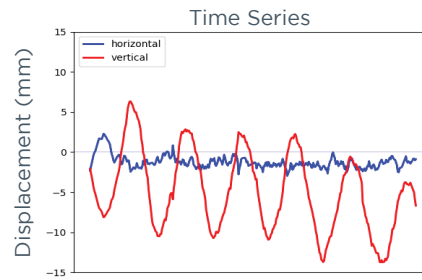
BASIC AND ZOOM SERVICE

The production of InSAR motion services utilises a high performance and automated processing environment, which supports a variety of different application fields on a global, national and regional scale. Freely available data are used for *basic services*, while commercial data can be used for *zoom services* with increased precision and completeness. Additionally, tasking of commercial data allows a specific tailoring of the *zoom service* to the customer needs in terms of spatial and temporal resolution.

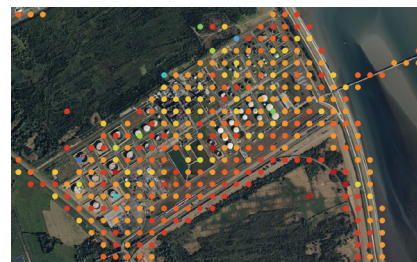
STANDARD APPLICATIONS



Displacement monitoring of gas storage facilities and fill estimation



Stability assessment of structures and construction measures



Displacement monitoring of critical infrastructure

VALUE ADDED SERVICES



Visualisation and analysis



Expert based service implementations



Supporting products and services



All the products are available on request.

For further information or demo data please contact Team-SAR@gaf.de

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