

Introduction of RST by

[personal data, Art 4(1)(b) of Regulation (EC) No 1049/2001]



THE RST GROUP:

RST Radar Systemtechnik GmbH
Germany

RST Radar Systemtechnik AG
Switzerland

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www.rst-group.biz

may18

Founded 1992

RST develops Radar Systems not available on the market
for



Space: Imaging Radar (SAR)



Air: SAR, Ground Penetration Radar GPR & Radar Altimeter



On/inside the Earth: GPR



Customer Designed Radars for Industrial Applications

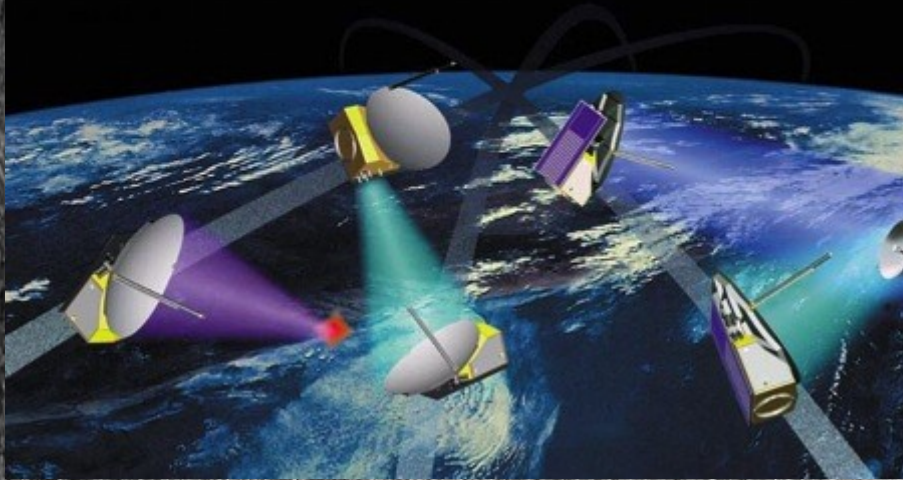
RST is also an independent international Radar Consultant



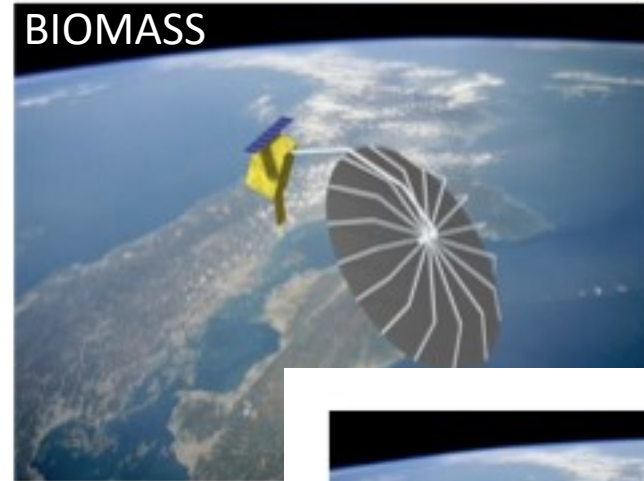
Successful Satellite Programs



SAR Lupe (Constellation of 5 Satellites)



BIOMASS

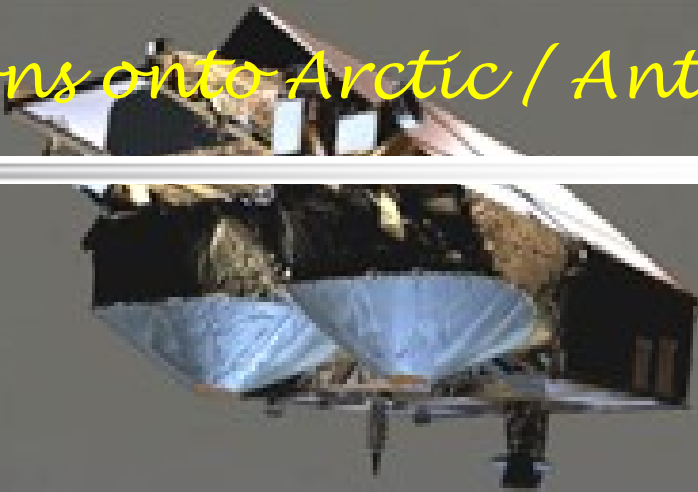


- ✧ SAR Design, Analysis, Cal & Processing
- ✧ German Radar Reconnaissance Satellites “SAR-Lupe”
- ✧ ESA Studies on P-Band SAR Satellite “BIOMASS”
- ✧ International Studies on μ SAT SAR





Investigations onto Arctic / Antarctica



- ✧ RST's airborne Radar Altimeter ASIRAS is used to calibrate the data of the Polar Observation Satellite CRYOSAT
- ✧ ASIRAS has a bandwidth of 1 GHz and hence is the RA with the best resolution worldwide



Feb'18

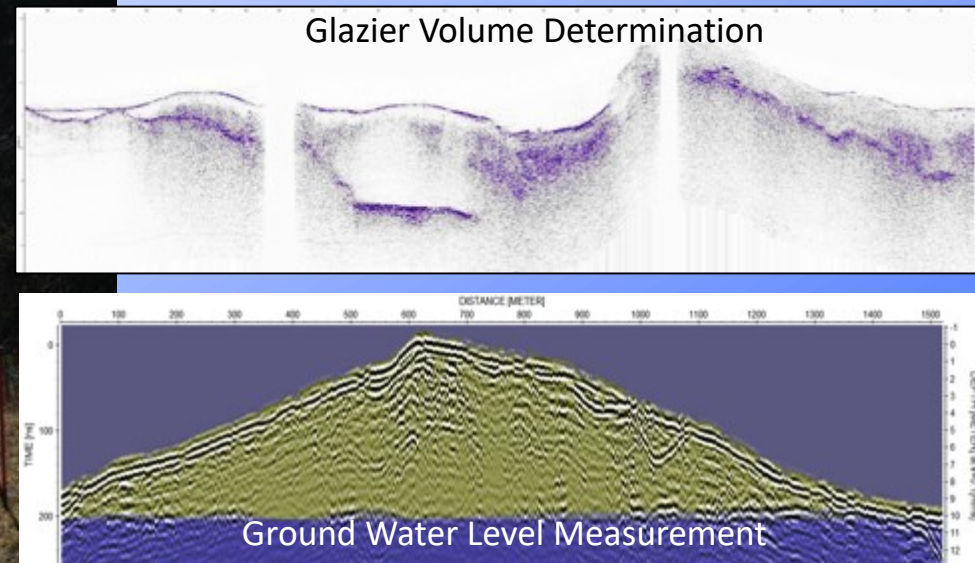
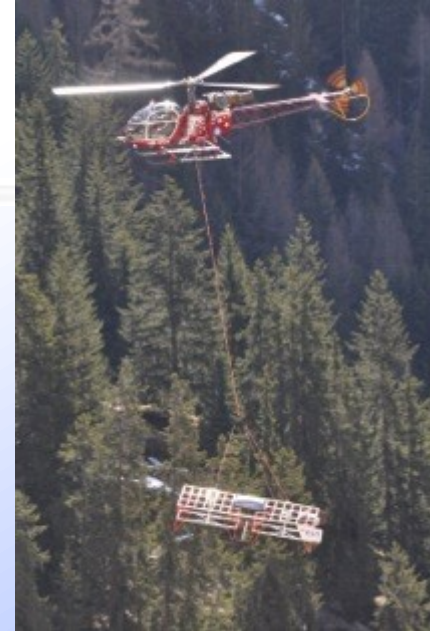
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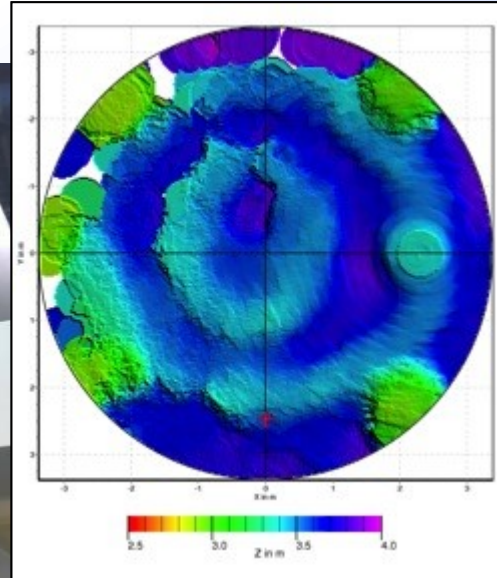
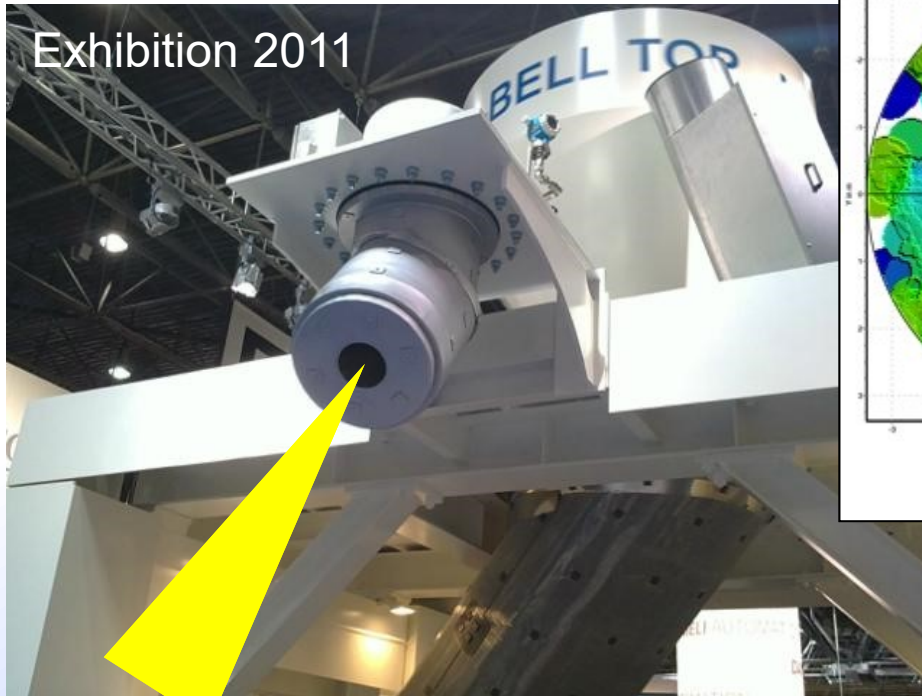
Helicopter GPR „HERA“

- ✧ Center Frequency: 100 MHz
- ✧ Bandwidth: 95 MHz
- ✧ Antenna Set: 2m x 6m
- ✧ Antenna distance to ground: 30-50m





Blast Furnace Topography Radar



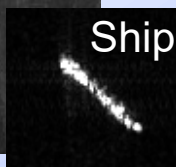
Color coded
3D Topography

- ✧ Monitoring the topography of the fillings of the oven for optimum refills
- ✧ Very unfriendly environment inside the oven
- ✧ Test under real conditions runs successfully since Nov. 2011





Wide Swath Monitoring SAR



- ✧ **Oil detection** mode resolution: 30m
- ✧ **Ship detection** mode resolution: 5m
- ✧ **Target detection** resolution: 5m
- ✧ Swath width: 2 x 40km (left & right)
- ✧ Flight Altitude: 300m – 3km
- ✧ Real-Time Processing onboard





MARSO



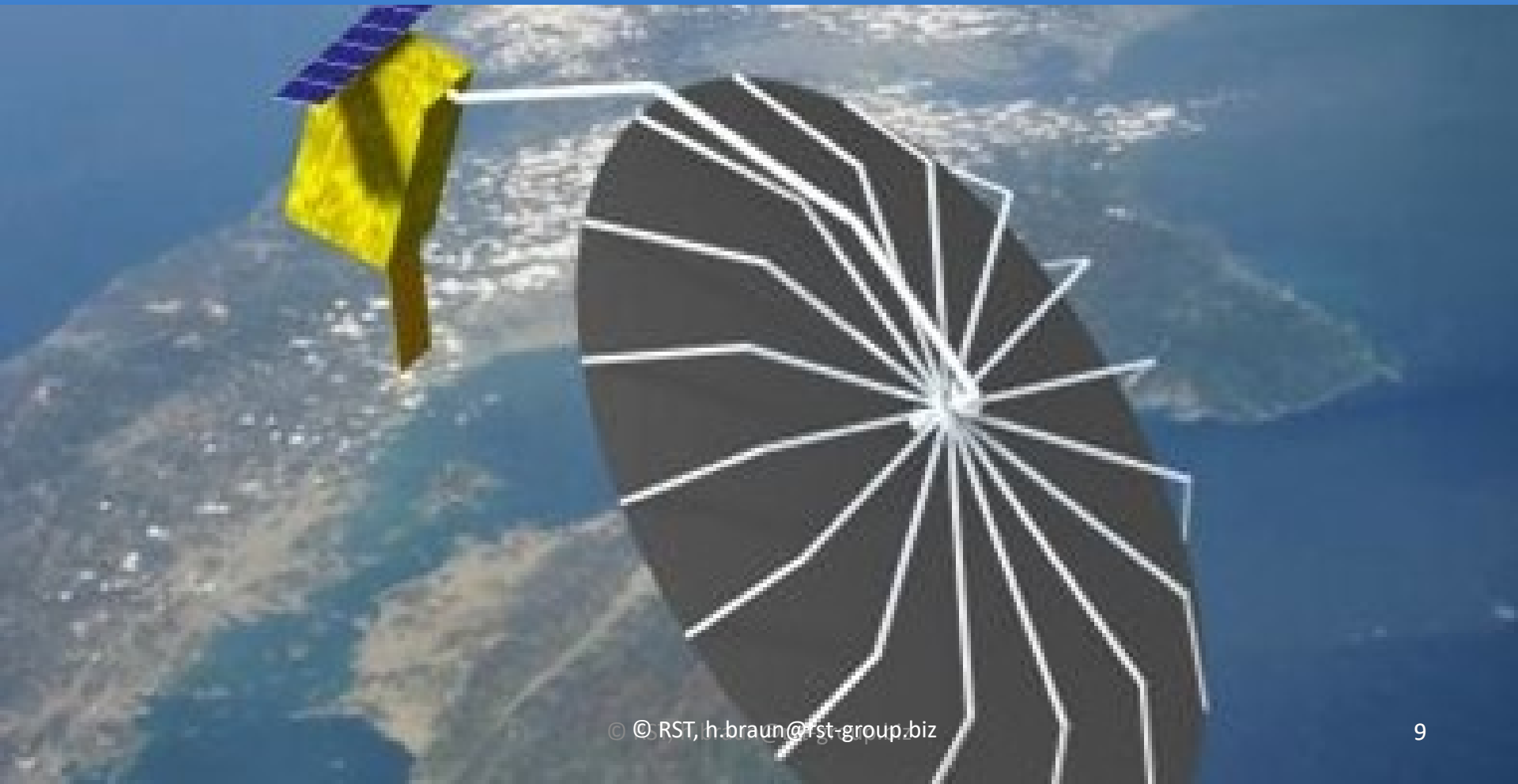
✧ Manned Airborne Real-time Observation & Reconnaissance



And last but not least a study on:



DAILY MONITORING OF THE MEDITERRANEAN SEE BY GEOSYNCHRONOUS SAR



Thank you for your interest



The RST Team