

→ DATA PROCESSING SYSTEMS

Operational data processors:

- Sentinel-3: operational instrument processing facility for SLSTR and MWR;
- MetOp-SG: Operational processors for 3MI, MWS, ICI, MWI and SCA;
- SMOS: operational and NRT processors;
- DEIMOS-2: Operational processors;
- SEOSAT/INGENIO: Operational processors;
- FLEX: Operational L1 Processor;
- Arctic Weather System: Operational L1 Processor (and associated PDGS).

End-to-end simulators:

- OpenSF: independent simulation framework EarthCARE Simulator;
- Sentinel-3: optical and topographic E2E Simulators;
- METOP-SG IDS and GPP for MWI, ICI and MWS;
- BIOMASS E2E Simulator;
- FLEX E2E Simulator: including L1 IDS/GPP;
- FORUM E2E Simulator: including IDS&GPP;
- SKIM E2E Simulator;
- CO2M E2E Simulator;
- CIMR and LSTM E2E Simulators.

Deimos is a leading company in the development of end-to-end system performance simulators and operational data processing chains for Earth Observation missions.



Our strong capabilities in data processing, payload calibration and monitoring facilities have made our GS4EO product very well known to both institutional and commercial sectors.

GROUND SEGMENT

Simplifying Ground Segment deployments for Earth Observation Missions.

→ PAYLOAD DATA GROUND SEGMENTS

→ PDGS MONITORING

Strong expertise in monitoring the Payload Data Ground Segment in order to analyse the performances of the system, quickly detecting possible problems and supporting the investigations.

→ QUALITY CONTROL AND PAYLOAD PLATFORM MONITORING

Monitoring the performance of the instruments payload and the platform or the processors.

→ PAYLOAD CALIBRATIONS

Specific algorithms and tools for the identification of anomaly behaviour to perform systematic quality analysis of the instrument calibration data.

→ ARCHIVE AND CATALOGUE

Deimos has developed and deployed a number of catalogues and archives for ESA and commercial missions based on Archive4EO product.

→ GS4EO

Combination of 4EO products working in a coherent and synchronized way, although all of them can also be used as independent applications. Provides all the ground segment capabilities required by any EO mission.

→ MISSION PLANNING AND USER SERVICES

Mission Planning and User Services facilities for ESA and commercial missions based on Plan4EO and User4EO.

