



gs4EO

Complete Suite of Ground Segment Products

Developed after more than a decade of work
for ESA Earth Observation Missions

State-of-the-art

**Flexible. Escalable.
User Friendly.**

**Proven operationally at
ESA/Deimos missions**

**Designed for maximizing
spacecraft return**

**Minimum operational
cost thanks to
advanced automation**

Core of Deimos Ground Segment Solutions

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Deimos Space ground segment systems are built using a combination of **4EO products** working in a coherent and synchronized way, although all of them can also be used as **independent applications**.

plan^{4EO}
mission planning

archive^{4EO}
archive & catalogue

fly^{4EO}
flight dynamics

process^{4EO}
image processing chain

control^{4EO}
mission control system

monitor^{4EO}
monitoring & control

track^{4EO}
ground station

calval^{4EO}
calibration & validation

user^{4EO}
user services

Thanks to its **modular design**, the gs^{4EO} suite of products can be used to **customize the ground segment according to the customer's requirements**. The various individual products can be assembled in different ways to implement **different deployment configurations**, from a complete Ground Segment to a Direct Receiving Station or a single product supporting a specific mission need. This modularity also provides extraordinary flexibility in order to accommodate **more than one Earth Observation mission** in the ground segment, with different levels of integration.

Each application communicates with the remaining Ground Segment using file-based interfaces, easing its integration with other external solutions. The applications are controlled by means of **advanced user interfaces**, in many cases web-based, and **can be operated remotely**.