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Planetek is interested in:

Earth observation

- DT-SPACE-01-EO-2018-2020: Copernicus market uptake
- LC-SPACE-04-EO-2019-2020: Copernicus evolution – Research activities in support of cross-cutting applications between Copernicus service
- LC-SPACE-24-EO-2020: Copernicus evolution - Mission exploitation concepts

Artificial Intelligence and Space

- DT-SPACE-25-EO-2020: Big data technologies and Artificial Intelligence for Copernicus

Space technologies, science and exploration

- SPACE-10-TEC-2018-2020: Technologies for European non-dependence and competitiveness
- SPACE-28-TEC-2020: SRC - In space electrical propulsion and station keeping
- SPACE-30-SCI-2020: Scientific data exploitation

Secure and safe space environment

- U-SPACE-21-SEC-2020: Space traffic management
- SU-SPACE-23-SEC-2020: Advanced research in Near Earth Objects (NEOs) and new payload technologies for planetary defence

EGNSS market uptake 2020

- LC-SPACE-EGNSS-1-2019-2020: EGNSS applications fostering green, safe and smart mobility
- SU-SPACE-EGNSS-3-2019-2020: EGNSS applications fostering societal resilience and protecting the environment

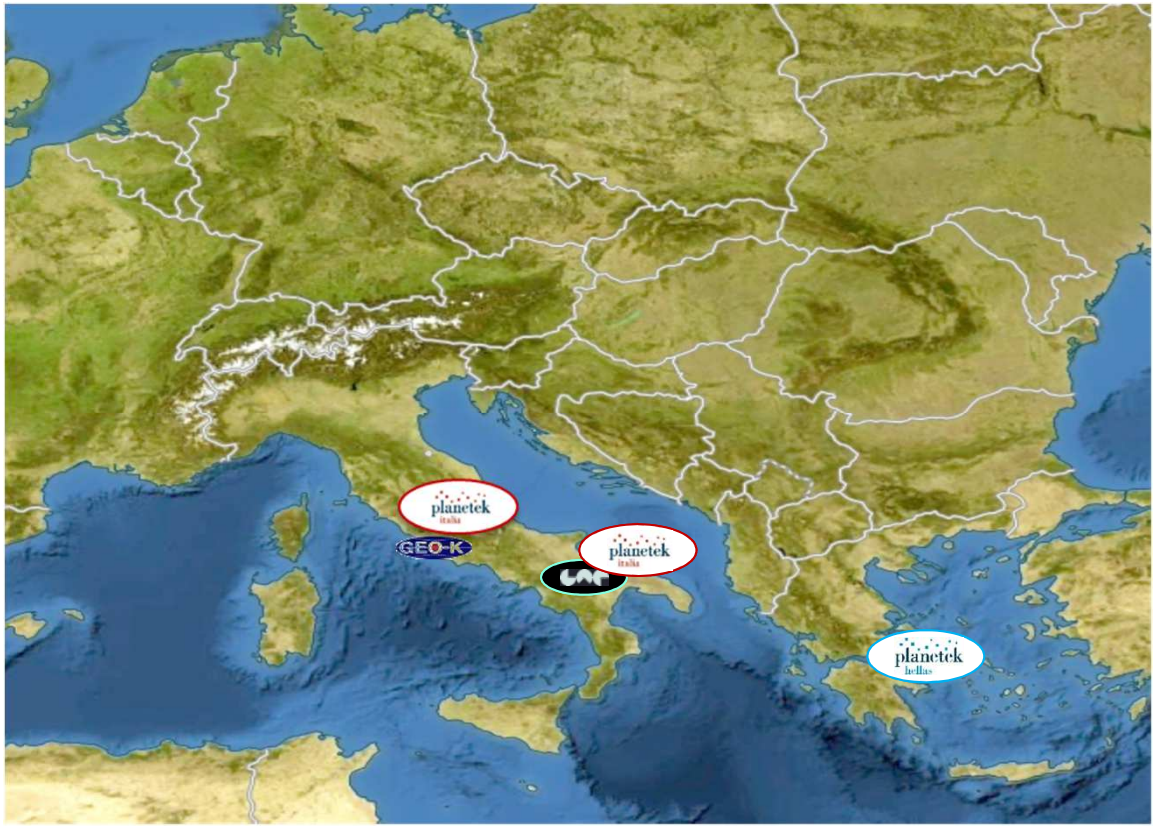
Other actions

- Space surveillance and tracking (SST)
- Galileo Evolution, Mission and Service related R&D activities
- EGNOS, Mission and Service related R&D activities
- GNSS evolution, infrastructure-related R&D activities

Planetek Group

Italian SME, established in 1994, which employs more than 50 women and men, passionate and skilled in:

- Geo-informatics,
- Space solutions,
- Earth science;
- Cyber data resilience.



Our Premises

Planetek Italia S.r.l. http://www.planetek.it

Planetek Hellas EPE: Athens, Greece. http://www.planetek.gr

GEO-K S.r.l is the first spin-off of the University of Rome Tor Vergata http://www.geok.it/

GAP S.r.l is an acronym for Geophysical Applications Processing, a spin-off of Politecnico di Bari http://www.gapsrl.eu/gapsrl/

Planetek Italia Business Unit

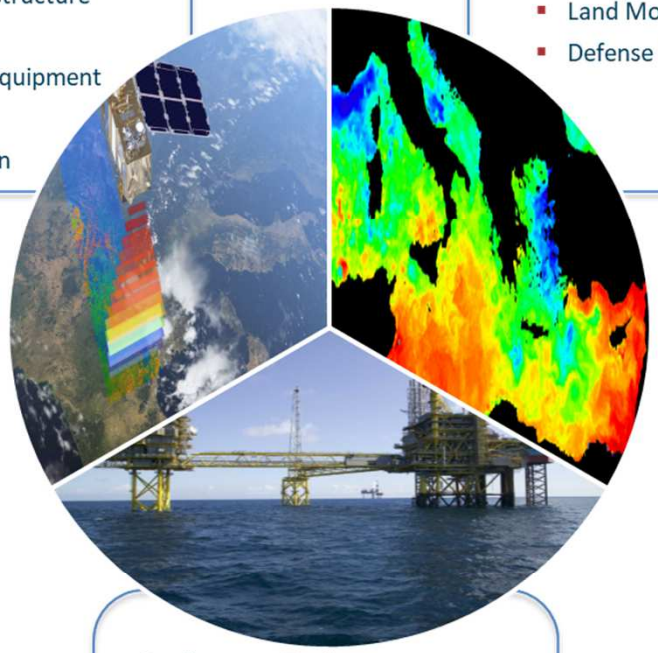
3 Business Units

Space Stream

- Global Monitoring
- Spatial Data Infrastructure
- On board SW
- Ground Support Equipment
- Ground Segment
- Cosmic Exploration

Government & Security

- Smart City
- Land Monitoring
- Defense & Civil Protection



Business to Business

- Oil & gas
- Renewable Energy
- Infrastructure Monitoring
- Infomobility & Infologistic

Planetek expertise

- **Satellite, aerial and drone data processing** for cartography, geo-information production and geo-analytics;
- **Data Cyber resilience** analysis and mitigation strategies
- **EO based solutions** in the field of urban planning, civil protection and emergency response, tourism, renewable energy, fleet monitoring, coastal monitoring and protection, defence, as well as in the markets of energy, transport and infrastructures;
- Design and development of **Spatial Data Infrastructures** (SDI) INSPIRE compliant for geospatial data archive, management and sharing;
- Design and development of **real-time geo-location based solutions**, through positioning systems such as GPS/Gallileo/GNSS and indoor location systems;
- Development of software for **on-board payload data processing** and for **ground segment infrastructures** for both EO and planetary missions
- **Space Mission Analysis** and Design (SMAD)
- Software for **Electrical Ground Support Equipment** (EGSE) and **Satellite Telemetry Monitoring**

Reference projects

EU (H2020 / GSA)

- LIMES - Land and Sea Monitoring for Environment and Security;
- G-MOSAIC - Prevention and management of external regional crisis;
- SAFER – Reinforce European capacity to respond to emergencies;
- NEXT – Information and intelligence data in support of EEAS;
- GEOCrew - Geodata and Crisis Early Warning Situation Awareness.
- ECARO – EGNOS Civil Aviation Roadmap

ESA/AS

- COSMO SkiMED – Data SAR (contribution to Ground Segment subsystems)
- SHIRA – High-resolution thermal infrared Earth Observation satellite;
- PRISMA – Hyperspectral Space Mission;
- CRUISE – Cyber secuRity in Uav's mIssions by SatellitE link;
- SCIRES - Supporting Critical Infrastructures Resilience from Space
- CTEO – Cripto Tradeable Earth Observation