

COMPANY PROFILE

A bit of history and numbers

- Italian software house based in Rome (HQ) and Matera (R&D Lab.)
- 100 Employees (2010)
- 10M Euro turnover in 2010
- Founded in 1979
- ISO Certification from 1999
- Balance audited from 1999

Customers

ADVANCED COMPUTER SYSTEMS

Active in the Earth Observation market since 1979, ACS has consolidated its position towards the main stakeholders by participating in the last 10 years in the most important National and European projects for Earth Observation



End to end systems for :

- Data Ingestion
- Archiving
- Cataloguing Product Generation (level 0,1,2) (certified products)
- User Services (Order Handling, local & remote consultation)

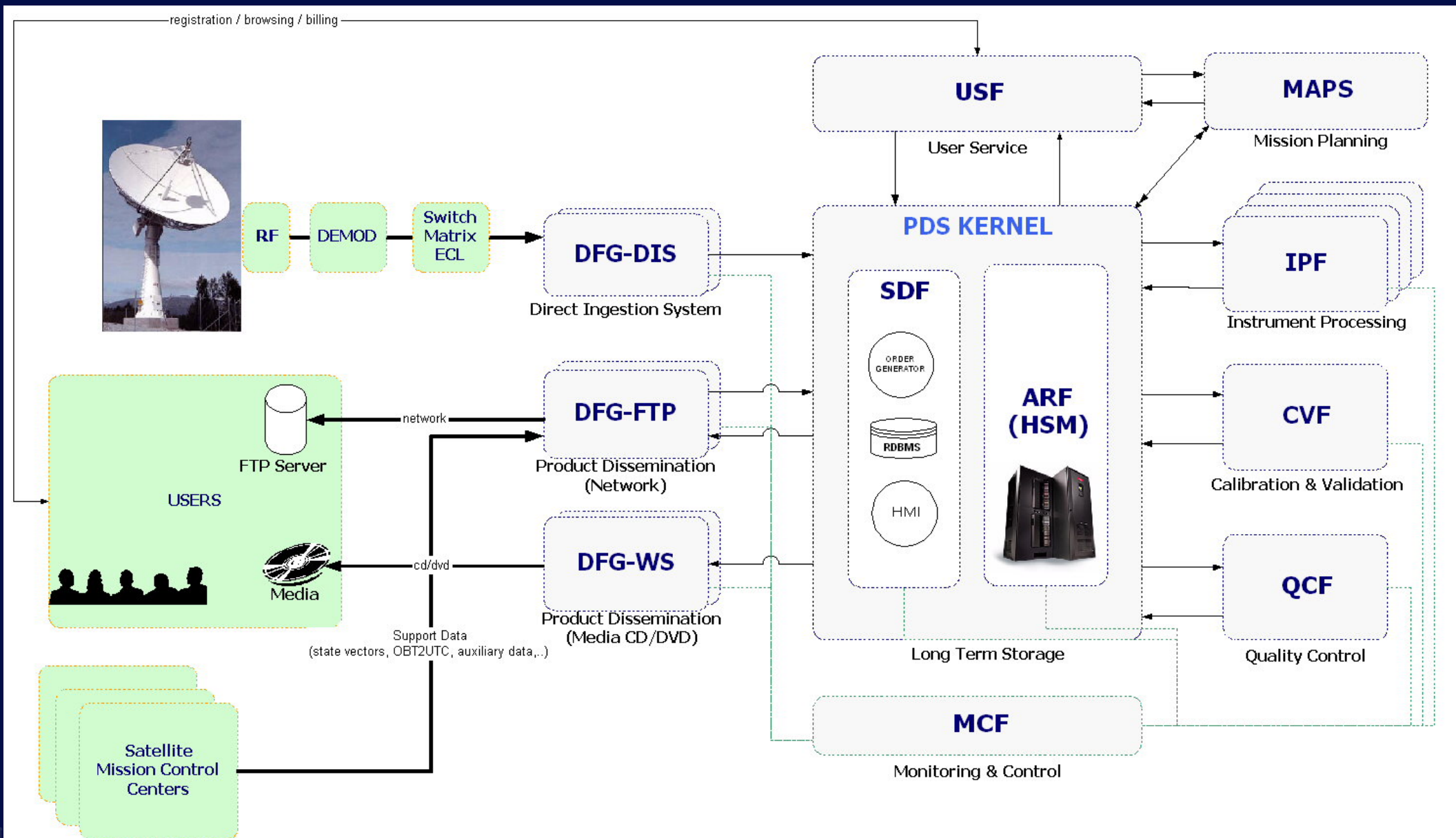


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Payload Data Segment



PDGS – Recent Achievements

- ESA SENTINEL- 1 and SENTINEL-3 PDGS
- ESA CRYOSAT Ground Segment PDS
- ESA CRYOSAT Ground Segment IPF1
- EUMETSAT EPS Cal/Val Facility
- ESA GOCE Ground Segment PDS
- COSMO-SKYMED (Data ingestion, Archiving)
- COSMO-SKYMED (Processors, Quick Look)
- ESA ADM AEOLUS Ground Segment APF
- ASI CNM (Centro Nazionale Multimissione)

Specific interests in Call 5

- **9.1 -> GMES Security Services**
- Tracking of vessels by combined use of AIS, LRIT and Earth Observation data
- Development of ship detection algorithms based on SAR data: positioning, classification, estimation of speed and heading
- Ongoing development of a system for EMSA dedicated to collection of navigation data, integration with other sources and statistical analysis aiming to detect anomalies

Specific interests in Call 5

- **9.1 -> Sentinel data take-up in services**
- Implementation of basic services for Sentinels' data optimal exploitation:
 - Advanced search paradigms (CBIR, annotations)
 - Innovative user services (3D visualisation, multi-platform)
 - Primary features extraction (activity under development)
- Familiarity with Sentinel standard products, with ESA processes and facilities

Specific interests in Call 5

- **9.1 -> Climate Change – Data archiving and exchange**
- Catalogues and Archives for Earth Observation data
- Current collaboration with ESA in the development of long term data preservation policies and systems
- Advanced search methods (CBIR)
- Data aggregation and innovative presentation paradigms (3D-4D applications)

Contacts

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