

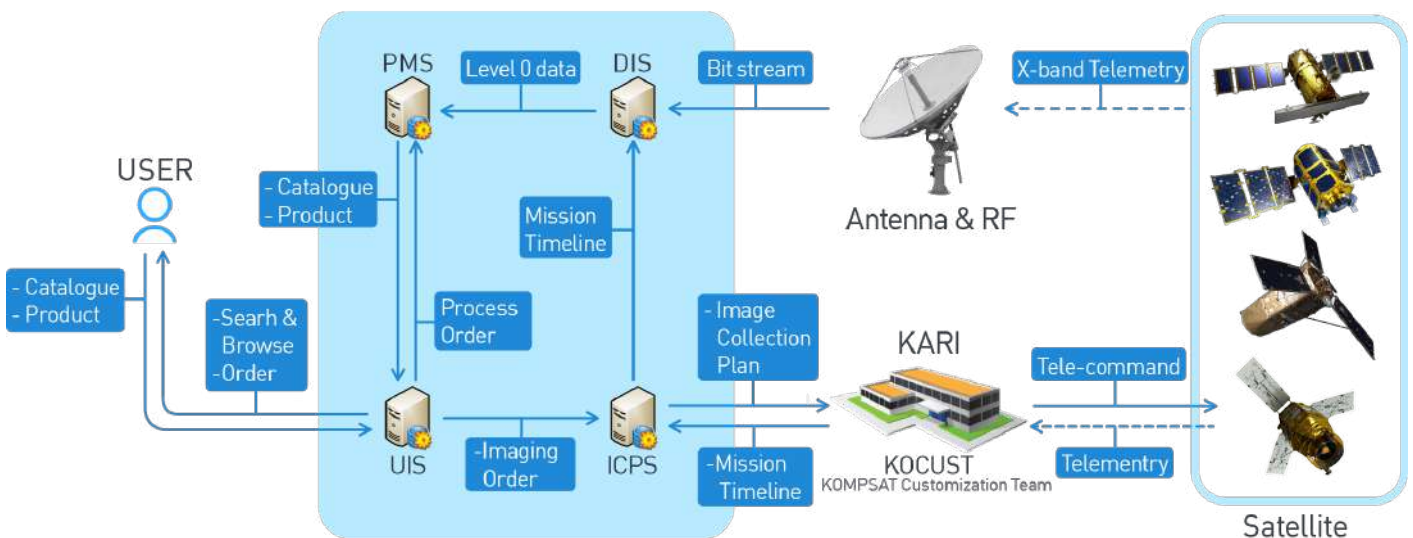


(C) KARI

Direct Receiving System

For KOMPSAT

KOMPSAT Direct Receiving Station(DRS) is full ground station with antenna system(Optional) and ground station terminal. As soon as both antenna system and ground station terminal is ready for operation, DRS telemetry service scheme will be applied, so that direct telemetry reception and processing of image data for product generation can be performed by Customer's site. Then autonomy in operation of the Customer's ground station is expected.



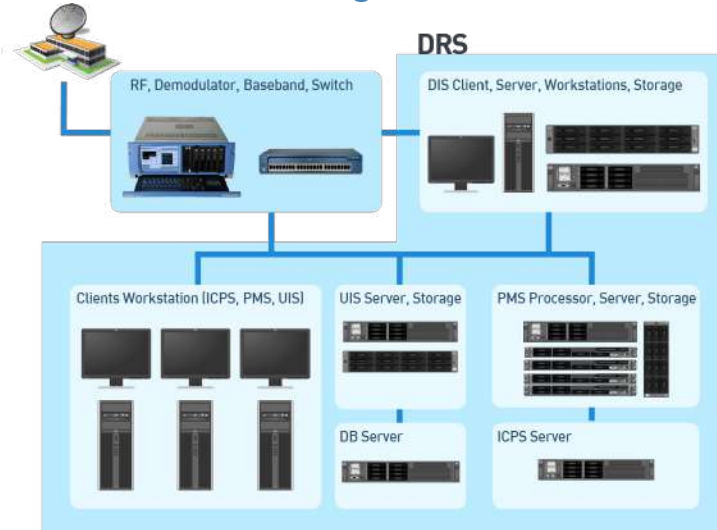
Advantages of DRS

- Direct access to multi-mission data (KOMPSAT-2, 3, 5, 3A)
- Your own image collection planning
- Real-time data download from satellites
- NRT(Near Real-time) product generation at your site

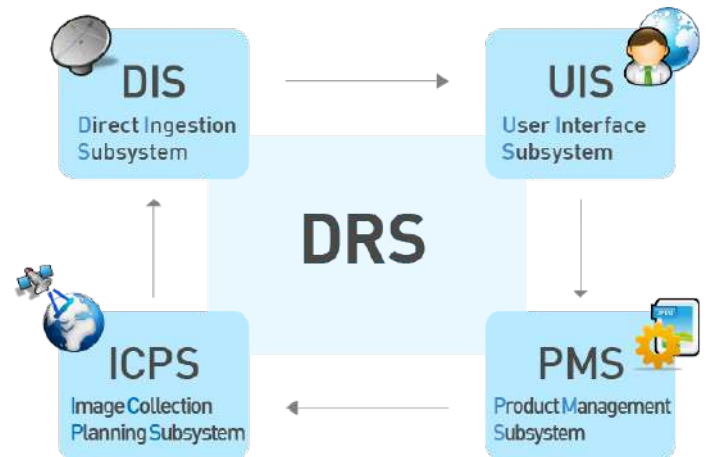
Advantages of KOMPSAT Terminal

- Easy to use GUI (Graphical User Interface)
- Multi satellite
- Simple operation concept
- Parallel processing
- Low-cost extension available
- Reliability

Hardware Configuration

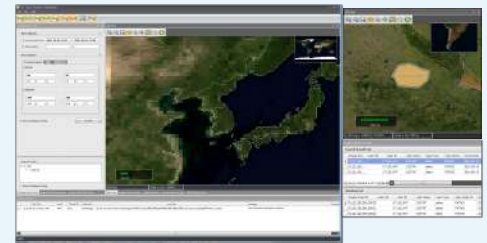


Software Configuration



UIS Catalogue Search, Order Management

User Interface Subsystem(UIS) provides functions for users to search the DRS image catalogue and to ingest orders for new imaging tasks and/or the delivery of products of interests.



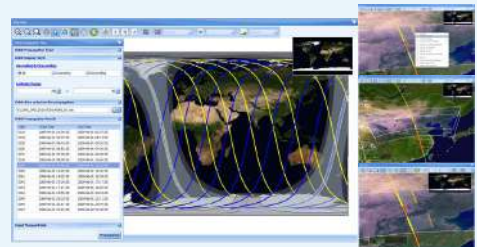
PMS Product and Catalogue Generation

Product Management Subsystem(PMS) produces image products and catalog at the pre-defined processing level. It also performs hierarchical archive data management.



ICPS Imaging Collection Plan

Image Collection and Planning Subsystem (ICPS) is used to generate requests for imaging schedule by communicating with Mission Control Station (MCS) which controls the satellite.



DIS Real-time Monitoring and Processing

Direct Ingest Subsystem (DIS) receives and records the Image telemetry data from different satellites through the X-band system.

