

Business & Concept



Satellite Ground Station Operating System

InStation Platform

High-quality ground station platform that incorporates real-time data processing and various GEOINT algorithms, as well as the latest technology to provide image analysis, statistics, and dashboard operating environment.



Janus

Workflow Engine

Each processing automation engine for different types of input data

Janus Engine

InStation Services

Job Management DB



InDPS

Data Processing Service

Image processing, analysis
AI service package



Pan-sharpening Compression Geo-Correction Change detection Object detection

InDPS main functions

Data Processing Service



InOPS

Operation Service

Operation monitoring, searching
interpretation service package



Interpretation GIS Catalogue Statistic Dashboard

InOPS main functions

System Operating Service



Solution

- Earth Observation
- Meteorological
- Environmental
- Ocean Color
- Water Resource

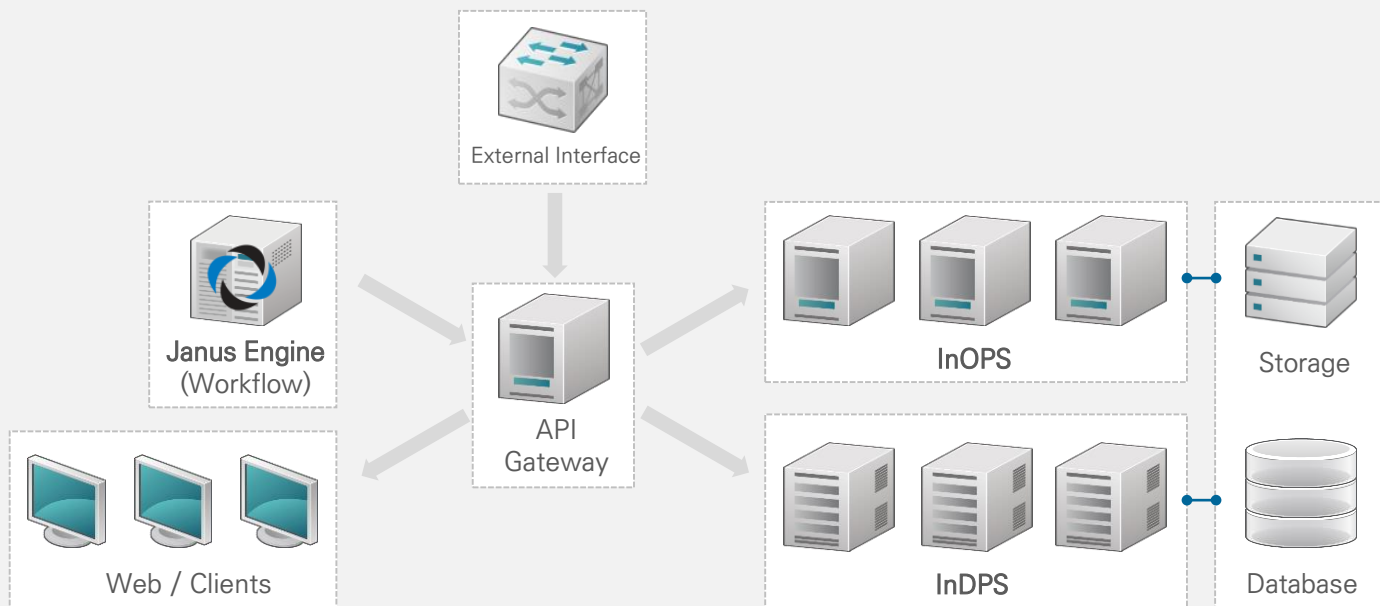
Add-On Package



Final Product

Platform Architecture Layout

(Satellite Ground Station Operating System)

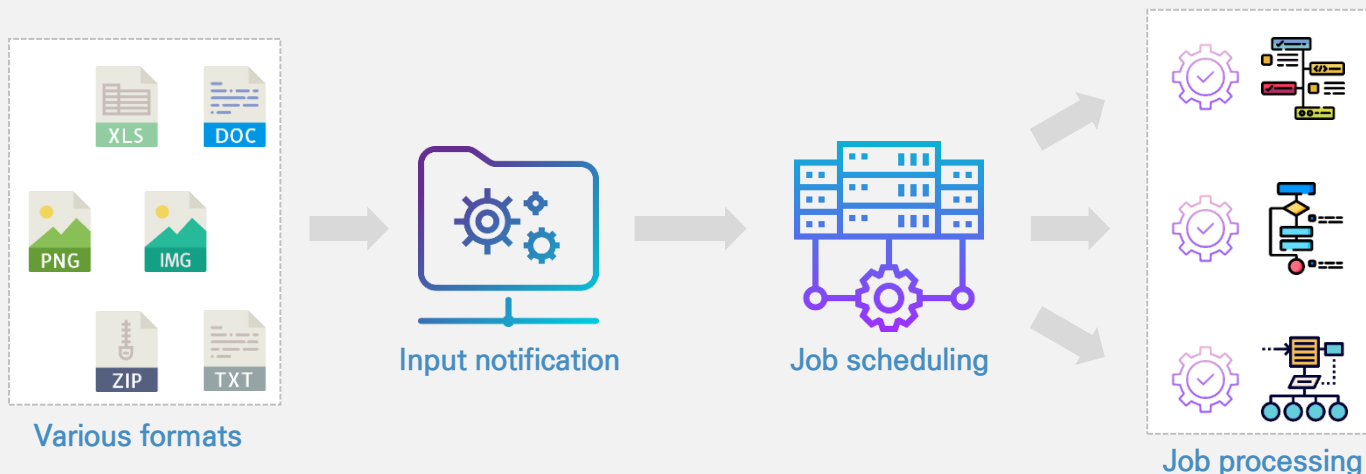


Everything you need for a satellite ground station system

Provides a complete operating cycle including data reception, collection, cataloging, processing, interpreting, and distribution.

Janus Engine

(Job automatic negotiation unified system)

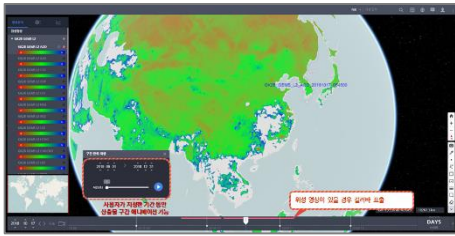


Automated processing of various input data

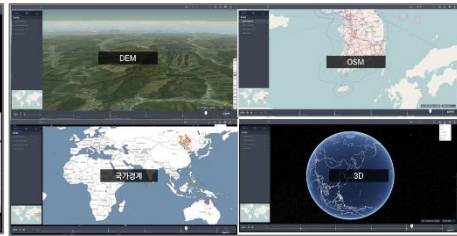
Automatic job scheduling according to the characteristics of each input data
Easily organize job process chains even when new input data is added

InOPS

(Ground station operating service)



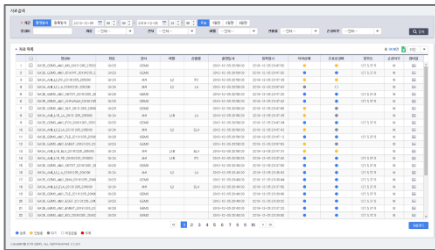
Data Analysis Service



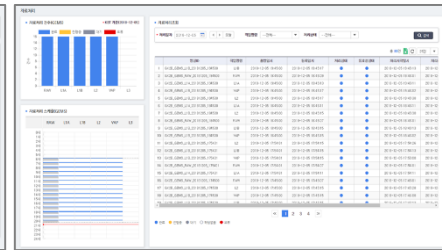
Base Map Service



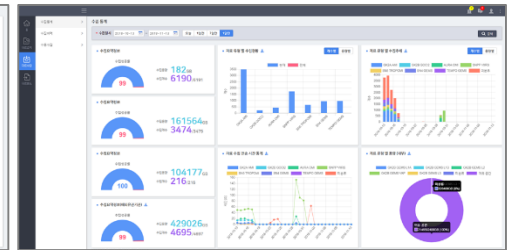
Dashboard Service



Data Cataloging Service



Data Management Service



Data Statistic Service

Web-based GIS Analysis

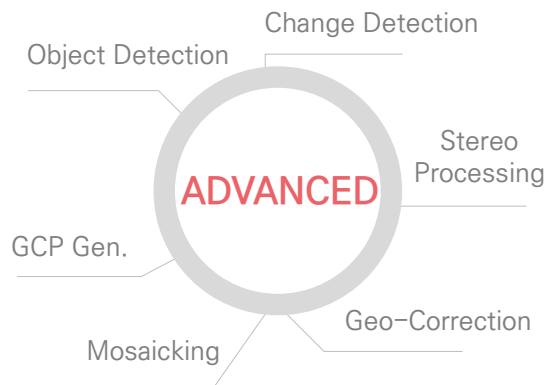
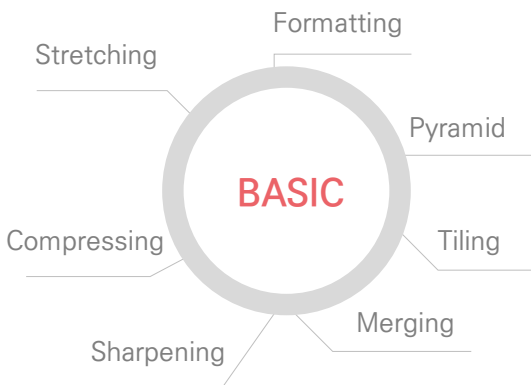
Web GIS based temporal/spatial analysis
On/Off-line base map service

Data Management and Monitoring

Data cataloging and download
System monitoring and statistic

InDPS

(Satellite data processing service)



Extensible Component based Module

High-quality basic and advanced processing
EO, SAR, IR, Hyperspectral processing

High-speed Parallel Processing

High-performance image processing optimized
for data, algorithms, and H/W specifications