pinkmatter

FarEarth for Ground Segments

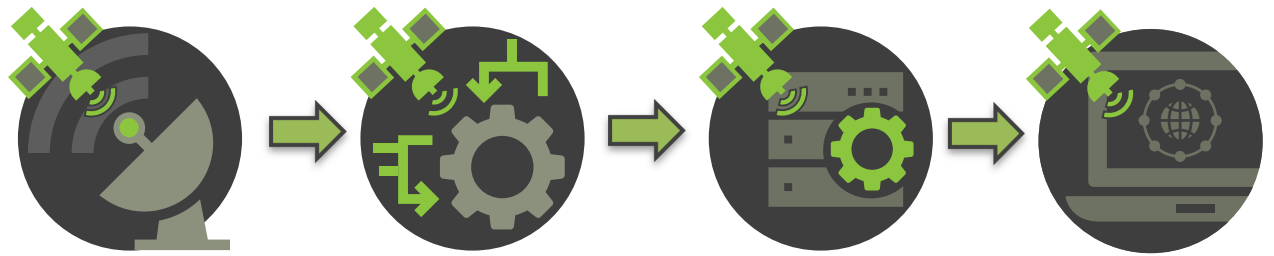
farearth GROUND SEGMENTS

We offer specialised ground segment solutions and image processing software for your Earth observation satellite missions such as Landsat, MODIS, VIIRS, NOAA, Metop, and Fengyun.

FarEarth for Ground Segments is a scalable, unified multi-mission system, engineered for direct receiving stations.

- Multi-mission scheduling and deconfliction
- Antenna and demodulator control
- Observer with real-time moving window display
- Automated image processing workflows
- Flexible data archiving, cataloguing, and dissemination options
- Industry-standard product generation

FarEarth for Ground Segments is offered as an on-premise or fully managed cloud-based service.



Acquisition	Processing Manager	Processing	Archive
Automated scheduling Deconfliction Vendor-agnostic hardware control Multi-mission support	Automated processing Systematic workflows System monitoring Dynamic scaling and failover	Pluggable processors Custom processor configurations Industry standard products with metadata	Reliable data archiving Easily searchable Optimise storage space Automated archiving & delivery

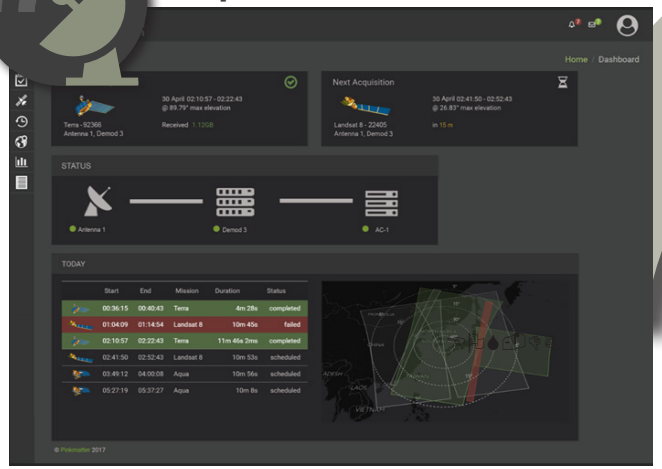
MULTI-MISSION • DOWNLINK • PROCESS • ARCHIVE

farearth

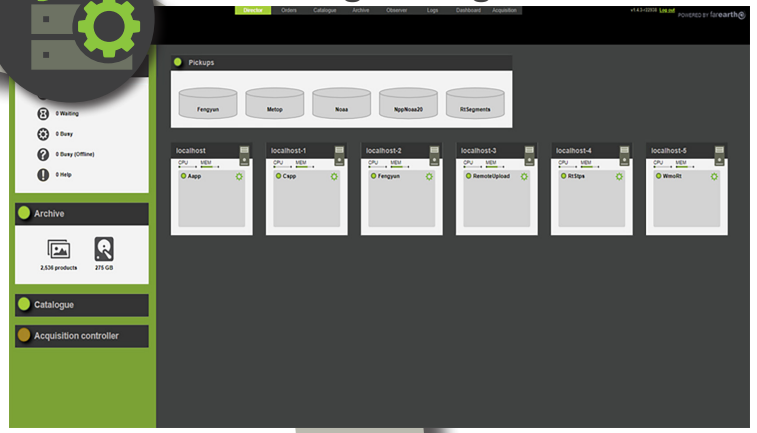
farearth GROUND SEGMENTS

FarEarth for Ground Segments provides data processing for various satellites. It hides the complexity of controlling hardware from various vendors and allows for deconfliction across multiple missions, antennas, and demodulators. Processing is managed across distributed nodes, with automatic assignment and failover. Standard pluggable processors are available for NOAA, Metop, Fengyun, Aqua, Terra, Suomi NPP, Landsat mission satellites, and MODIS and VIIRS sensors. We can also develop customised low-level processors for other missions.

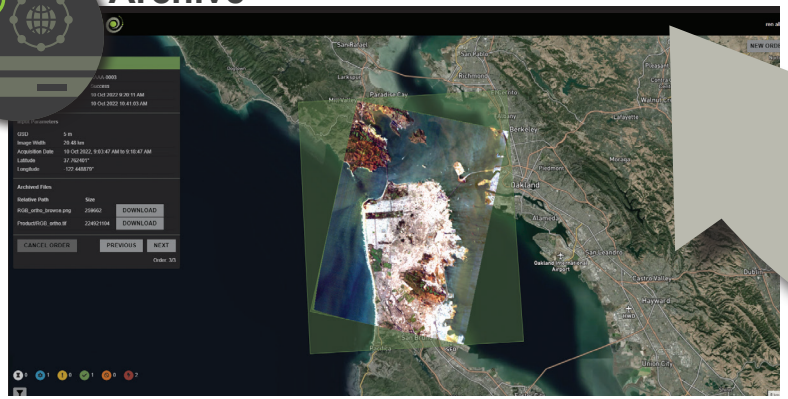
Acquisition



Processing Manager



Archive



Processing

MULTI-MISSION • DOWNLINK • PROCESS • ARCHIVE

pinkmatter

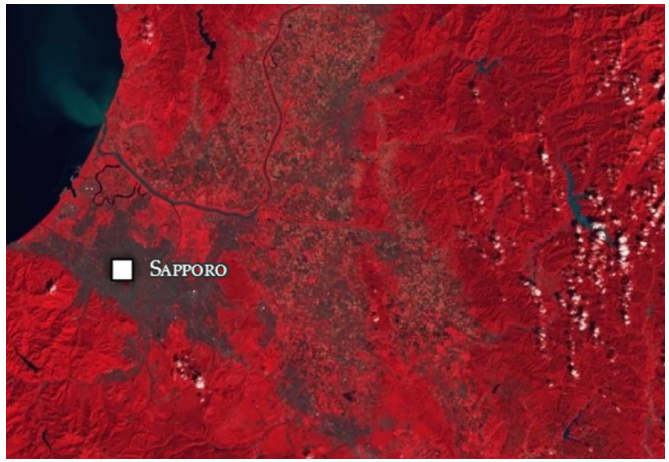
farearth GROUND SEGMENTS

LANDSAT

FarEarth for Ground Segments software has enabled numerous ground stations to downlink and process Landsat images. Our end-to-end on-premise or cloud-based process starts with automated scheduling, acquisition, antenna control, and deconfliction. The solution then processes raw image data up to Level 1TP, certified by the USGS. The software features a data management component with archive and cataloguing capabilities.

Landsat 9 true colour

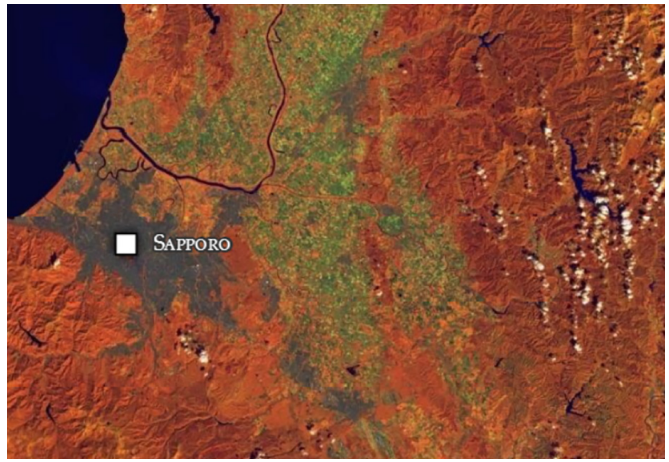
Landsat 8 true colour



Landsat 8 infrared

Landsat 9 vegetation

Landsat 8 vegetation analysis



Landsat 8 healthy vegetation

LANDSAT 9 • LANDSAT 8 • USGS CERTIFIED

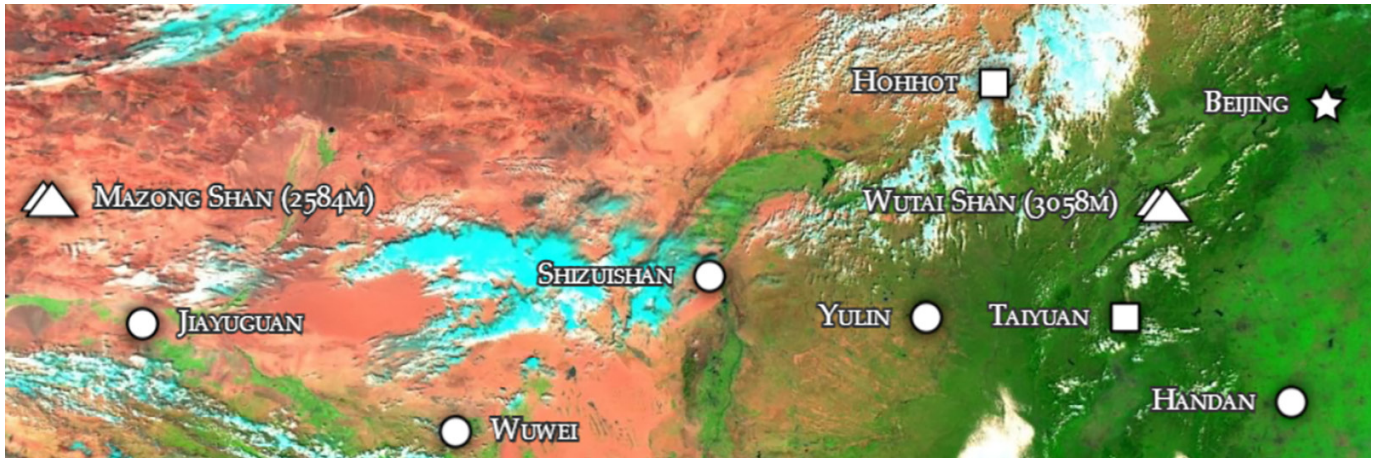
pinkmatter

farearth GROUND SEGMENTS

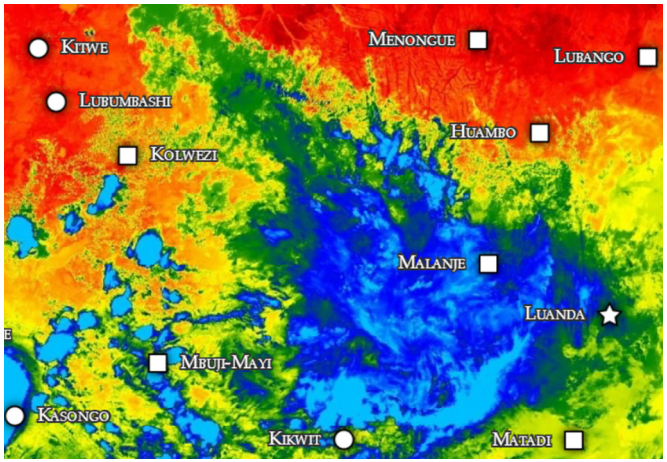
EOS-DB

Earth Observation Satellite Direct Broadcast (EOS-DB) satellites collect a variety of meteorological, oceanographic, terrestrial, climate, atmospheric, and other specialised images and data. These include the Aqua, Terra, Suomi NPP, NOAA, Metop, and Fengyun satellites. *FarEarth for Ground Segments* enables ground stations to download and process the EOS-DB data. We process raw image data up to scientific ortho-rectified products.

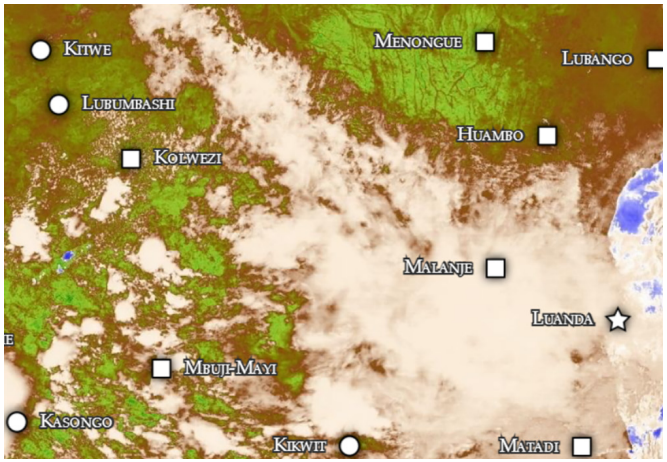
Aqua (MODIS) NDVI



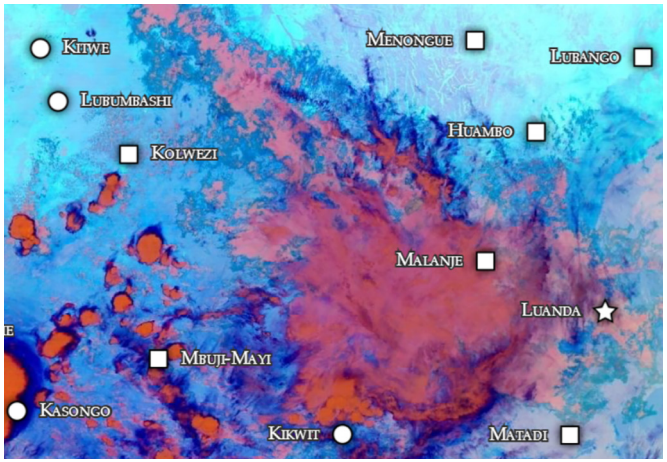
Terra (MODIS) vegetation



NOAA (VIIRS) thermal



NOAA (VIIRS) NDVI



NOAA (VIIRS) dust particles

www.pinkmatter.com • hello@pinkmatter.com

Pinkmatter Solutions (Pty) Ltd. South Africa africa@pinkmatter.com
Pinkmatter Canada Ltd. Canada america@pinkmatter.com
Pinkmatter Europe GmbH Germany europe@pinkmatter.com

pinkmatter