

OVERSEER

Open Plugin Framework for Distributed Processing, Exploitation & Dissemination

In an age when sensors and technology are constantly evolving, organizations are often burdened with data-processing solutions that they are unable to customize or enhance without considerable investment. To overcome this issue, the Space Dynamics Laboratory (SDL) has developed an open plugin framework for resilient, distributed data processing that can be easily customized by any developer using a software development kit (SDK). This flexible solution is ideal for high-volume, high-bandwidth, near real-time, tactical, and strategic data processing.

FEATURES

- Open, extensible plugin framework
- Horizontally scalable architecture enabling independent third-party plugins for data processing
- Plugin chains can be distributed across processing nodes to enable system scalability
- Uses fault-tolerant storage for large-volume data collection

BENEFITS

- Unlimited rights to Government with no licensing fees
- Enables the creation of plugins & plugin chains using SDK
- Provides interoperability with proprietary solutions
- Enables strong, competitive solutions

COMPLIANT DATA FORMATS

- Consultative Committee for Space Data Systems (CCSDS)
- Hierarchical Data Format 5 (HDF5)
- JPEG
- H.264 (MPEG)

