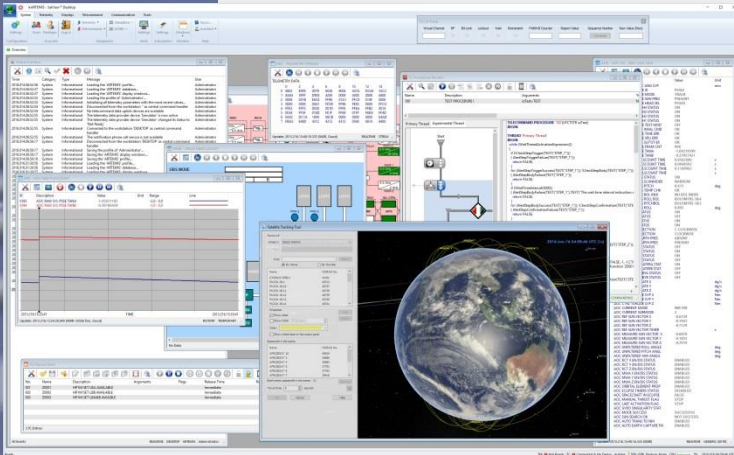


BINARY SPACE

RELIABLE SPACE SYSTEMS

Product Brief



SatView™ Desktop

It successfully supported the In-Orbit Test (IOT) campaign of ARTEMIS, European's advanced telecommunication satellite, in the ESA ground station located at Redu (Belgium) and is still extensively used to secure an overall status of the satellite.

SatView™ Evaluation Topics

- Standard Hardware and Software
- Latest Technology
- Little Maintenance
- Flexible Software Architecture
- Easy Migration to new Satellites
- Full Lifecycle Coverage
- Complete TM/TC Capabilities
- High degree of Automation
- Automatic Report Generation Capabilities
- Sophisticated Notifications (Voice phone calls, FAX, E-Mails, FTP)
- Remote (dial-in) Access
- Relational DBMS
- Security Profiles
- Low Cost

The SatView™ environment consists of two main applications:

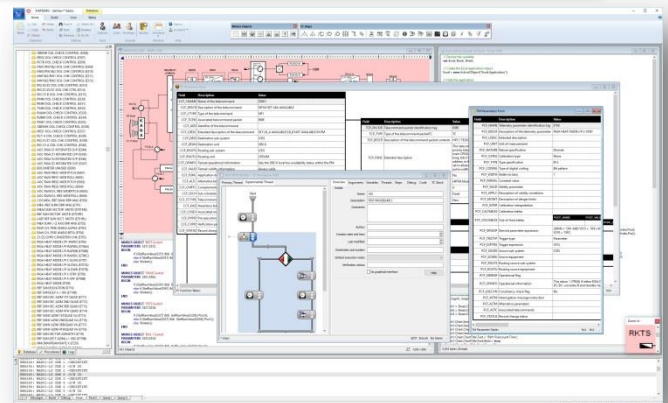
SatView™ Desktop

Supports all activities related to the real-time operations (e.g. telemetry data processing & visualization, telecommands, data archiving & retrievals and much more).

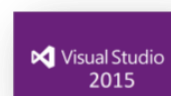
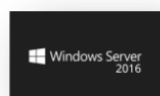
SatView™ Editor

Handles all off-line database tasks (e.g. database updates & parsing, mimics displays and script development as well as testing).

An additional application, called **SatView™ Simulator**, is available providing simulated telemetry data for testing purposes. It is highly customizable and can easily be adapted to different data formats.



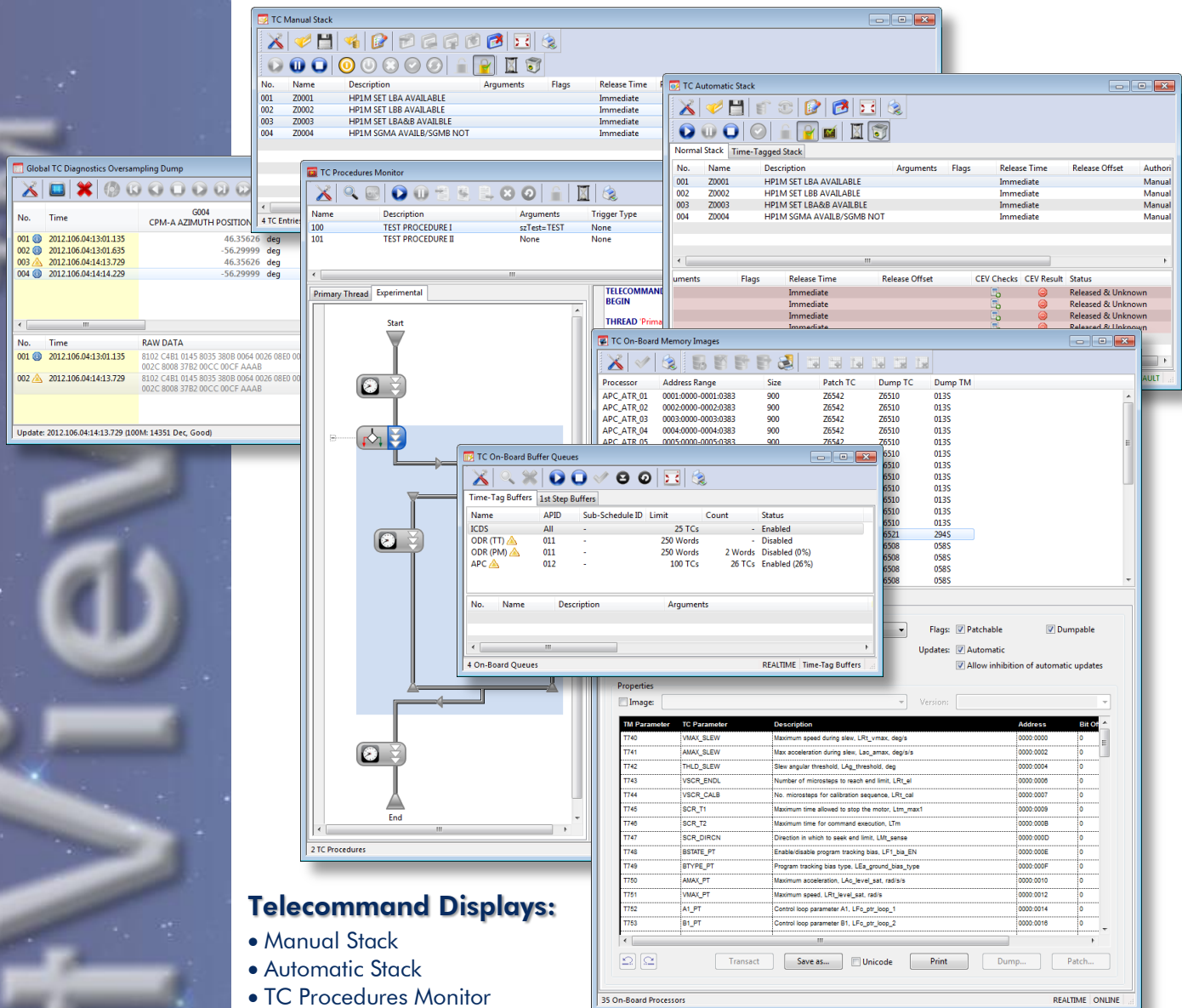
SatView™ Editor



BINARY SPACE

RELIABLE SPACE SYSTEMS

Functions & Displays

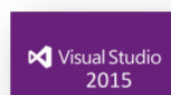
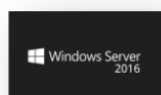


Telecommand Displays:

- Manual Stack
- Automatic Stack
- TC Procedures Monitor
- TC History Display
- TC Diagnostics Oversampling Dumps
- On-Board Buffer Queues
- On-Board Memory Images

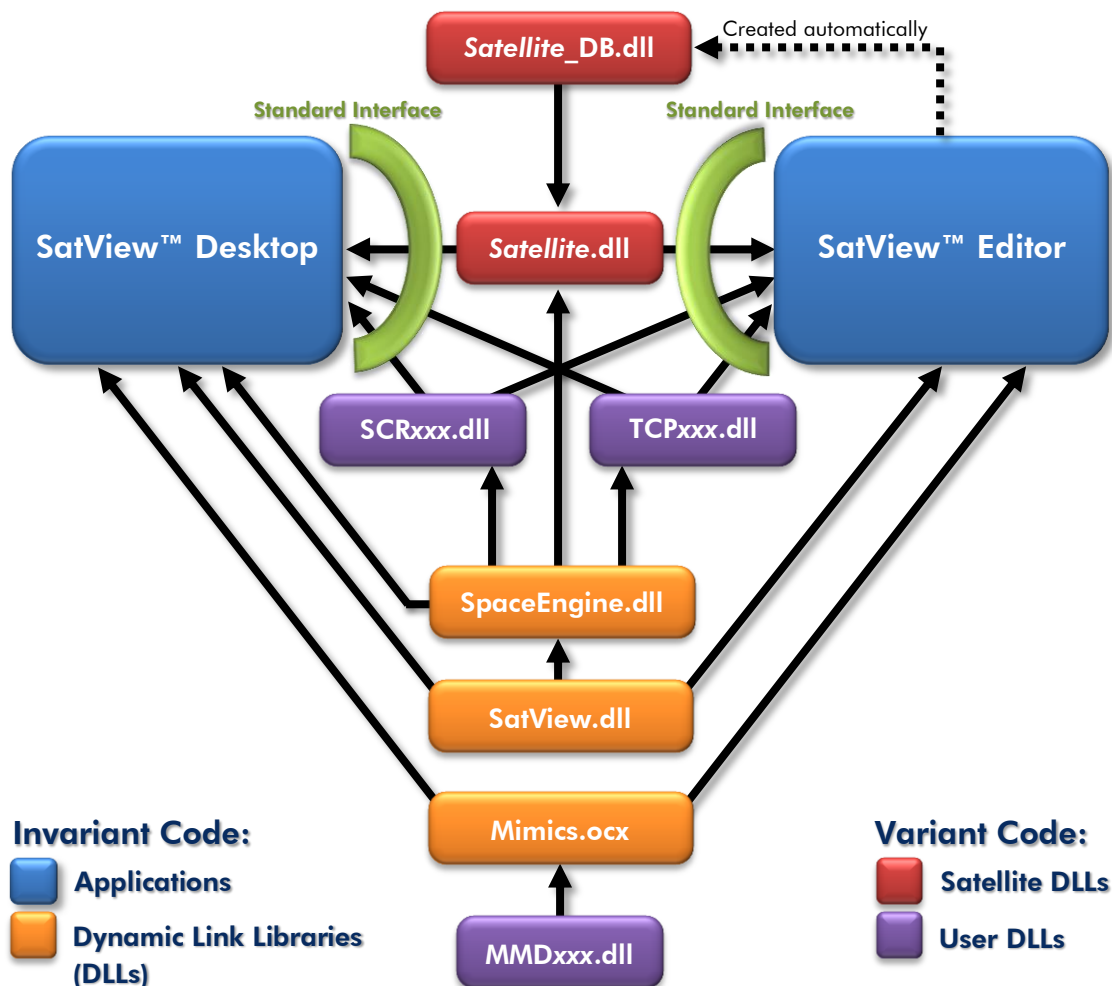
Telecommand Data Processing:

- CCSDS Telecommand Packet Standard
- Commands, Command Sequences, Command Procedures
- Immediate TCs, Time-Tag TCs, Two-Step TCs
- Command Grouping/Blocking & Authorization
- Command Parameters & Parameter Sets, Calibration, Out-of-Limit Checks
- Pre-Transmission Verification (PTV), Pre-/Execution Verification (PEV/CEV)
- Generic telecommand data I/O interface



Software Architecture

In order to minimize the effort necessary to adapt SatView™ to new projects, all source code related to satellite specifics is encapsulated in separate *Dynamic Link Libraries* (DLLs) which communicate with the kernel code via a standard interface:



Customer Support

It is our commitment to develop reliable and secure systems. All software is developed in-house in order to reduce dependency from any other suppliers than Microsoft®. This guarantees fast and seamless migration to the latest operating system versions as well as continued software maintenance.

Our response time with respect to technical issues is usually less than one day. We are known as a very reliable and competent partner.

