Flexible on-board digital processing capacity is a key enabler for enhanced satellite services and performance.

From core telecommunication payload processing function – adaptable to different frequency bands and processed bandwidths,– to high rate command and monitoring function for digital payloads, Prodigie product suite is a flight proven software-defined processing platform adaptable to multiple functions and satellite missions.

/// Hilink: High Rate TM/TC function
/// Payload Processor function (UHF, C-band, etc.)
/// CTEG: NSA Cybersecurity Enabler function

Enable the functional evolution along the mission lifetime

Modular building blocks allow full flexibility in function definition and implementation

COMPETITIVE ADVANTAGES

/// Suitable for a wide set of on-board processing functions.
/// Fully reconfigurable equipment, with over-the-air upgrades.
/// Flexible and scalable design
/// Optimized mass and power consumption vs. performances
/// Modular design covering multiple functions
MAIN APPLICATIONS AND CONFIGURATIONS

**HILINK HIGH RATE TM/TC**

- Mass: 9kg (L Band IF)
- Volume: 184mm x 410mm x 275mm
- Power Consumption: 30W

**NSA CYBERSECURITY ENabler**

- Mass: 9.8kg (L Band IF)
- Volume: 184mm x 410mm x 275mm
- Power Consumption: 28W

**UHF TELECOM PROCESSOR**

- Mass: 12kg
- Volume: 224mm x 410mm x 275mm
- Power Consumption: 50W

**C-BAND TELECOM PROCESSOR**

- Mass: 19kg
- Volume: 348mm x 410mm x 275mm
- Power Consumption: 128W

**EXPERIENCE**

- Prodigie product suite used in 6 programs for 4 satellite operators: Eutelsat, SES, Hisdesat and Hispasat