

## **Multi-Purpose Interface Platform (MPIP) for EGSE**

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The Multi-Purpose Interface Platform (MPIP) for EGSE has been developed by Celestia Satellite Test and Simulation (C-STS) in the scope of an ESA GSTP Element 2 (“Make”) Contract.

The Multi-Purpose Interface Platform (MPIP) is modular, scalable electrical ground support equipment (EGSE) that enables space equipment builders and integrators to test and simulate spacecraft electrical interfaces in a fast, flexible and cost-efficient manner.

The idea to develop MPIP was prompted by the growing need of the EGSE systems to meet the increasingly higher data rate requirements for current and future new satellites, while maintaining the necessary discrete interfaces for status measurements and control. Consequently, the aim was to develop a generic platform that can be easily expanded to support different electrical interfaces, allow for protocol and interface customization, and implement industry standard Back-End Interfaces.