



PNRR Project – Task 1310-4 | Progetto: EMM – Earth Moon Mars SW Feasibility Study and ACU upgrade

Overview

The Task consists of two primary activities:

- Feasibility study for a site and antenna control and monitoring software.
- Upgrade of the current ACU (Antenna Control Unit) to integrate observation modes dedicated to tracking and pointing corrections.

Technical specifications

- SCADA-compliant system for the monitoring and control of equipment distributed across the site and within the antenna.
- Implementation of Monopulse management functions within the ACU, while maintaining at least the current antenna pointing performance.

Applications

- Availability of a mimic display in the control room for site and antenna monitoring and control.
- Antenna movement in tracking mode, maximizing pointing accuracy.

Product Images

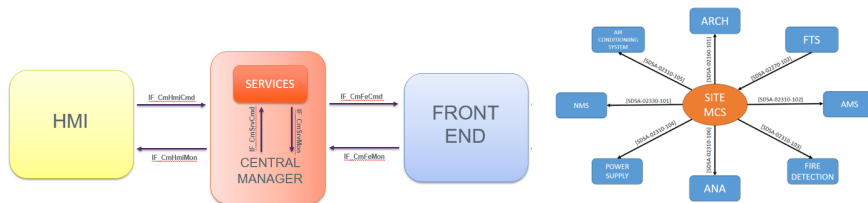


Figure 1 – Site MCS internal data flow and External interfaces



Figure 2 – Monopulse integration and new ACU interface