



GROUND STATION



G.A.U.S.S. Srl has its own fixed ground station in Rome (VPM23) for satellite tracking and monitoring.

The characteristics of the ground station are:

- Bidirectional L-Band (VHF and UHF) – downlink and uplink- communications for TT&C, satellite tracking, monitoring and command. Analogic radio and TNCs or SDR frontends are used.
- S-Band downlink for reception of scientific and broadband data from the satellite with a 1.5m dish antenna and SDR frontend.
- The ground station is fully automated for controlling the satellites already launched (UniSat-5 and UniSat-6).
- The ground station may be used on request to give support to recently launched satellites to monitor their status and, if needed, to send commands too.
- G.A.U.S.S. Srl has also transportable radio equipment for making measurements of satellites in other regions (mostly in VHF/UHF Bands).

Ground station consultancy for L-Band and S-Band can also be provided.

G.A.U.S.S. Srl has gained an extensive knowledge on ground stations hardware and operations during these years.

We offer complete Ground Station Kits – tailored to your needs – and technical consultancy in order to install your own ground station.