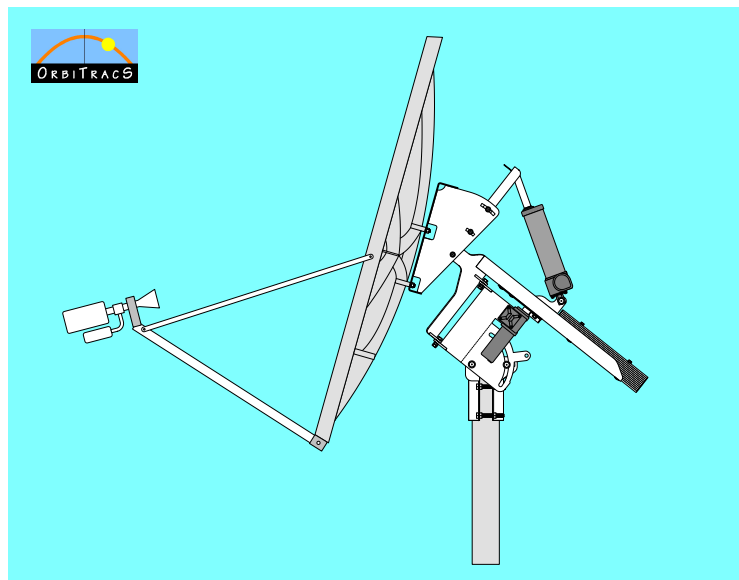


Orbitracs OPM-1 Mount

The Orbitracs OPM-1 mount is conceived as counter balanced polar mount. It can accommodate any offset antenna sizing up to 1.2m and can be employed at Ku- and Ka-band frequencies.

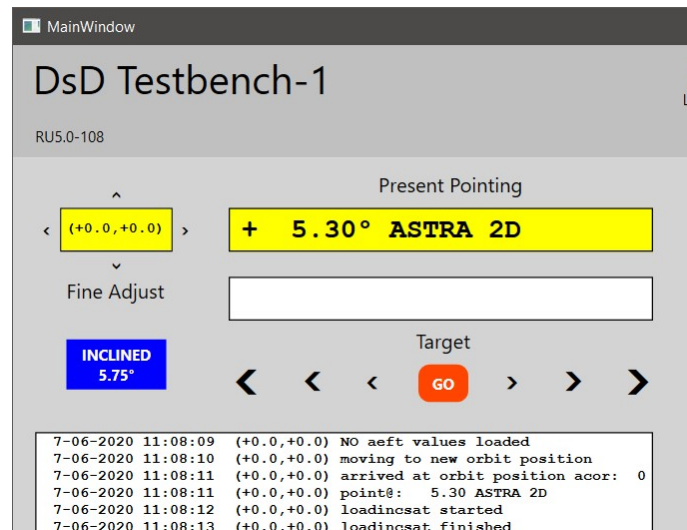
The polar geometry allows quick and easy access of all orbit positions in the field of view while activating a single actuator. To note that when changing orbit positions, there is no need for polarization adjustment, thanks to the polar configuration.



Inclined orbit tracking is performed with a second actuator in the perpendicular declination plane. The inclined tracking function is performed without any need for feed-back signals (beacon receiver, agc etc.). This thanks to a unique Orbitracs proprietary algorithm that allows open-loop tracking for many years without the need for updates, feedback or any other intervention.

The stations have a small self-contained outdoor controller fixed on the mast, accessible through TCP/IP. A basic command set enables to verify status and perform all functionalities. An SNMP controller can be added, allowing to integrate the stations in larger control networks that generally are SNMP based.

And for easy individual use, a Graphical User Interface (GUI) is available running under Windows:



All hardware is locally produced in France and of professional quality (stainless steel). All software is in-house developed, maintained and adapted when needed.

Installation of the station can be done by a single person in maximum one day. Once installed and aligned, all visible satellite (stable but also the inclined ones) can be immediately accessed. No optimization for each position is needed. If however certain satellites are not exactly in the officially declared position, offset can be applied and stored for an unlimited number of the individual positions.