

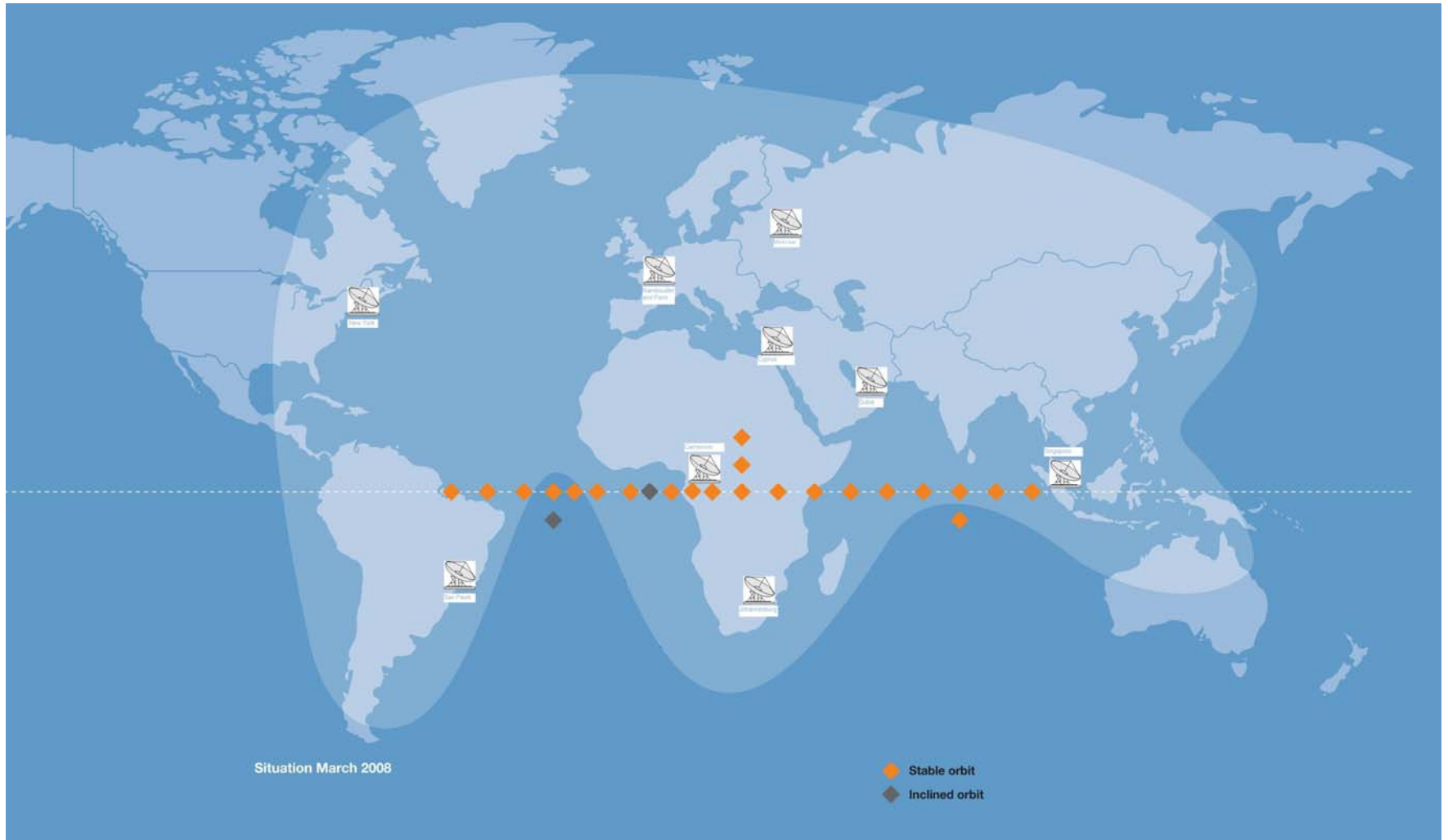
Facilities Network



- > **Currently 10 monitoring sites in 9 countries**
 - > Brazil (Sao Paulo)
 - > Cameroon
 - > Cyprus (Makarios)
 - > France (Paris & Rambouillet)
 - > Russia (Dubna)
 - > South Africa (Hartebeesthoek)
 - > Singapore
 - > United Arab Emirates (Dubai)
 - > USA (Hauppauge, Long Island)

Site selection driven principally by satellite coverages

Monitoring Network - Sites



Situation March 2008

- Stable orbit
- ◆ Inclined orbit

Rambouillet Teleport



Why is it necessary?



- > Interference is normally accidental and not a common occurrence

- > Common incidents are:
 - > Wrong time schedule and/or TX frequency during the access to the satellite;
 - > SNG modem left switched on;
 - > Faults in Transmission hardware that generate intermodulation or spurious transmission outside the authorised bandwidth.

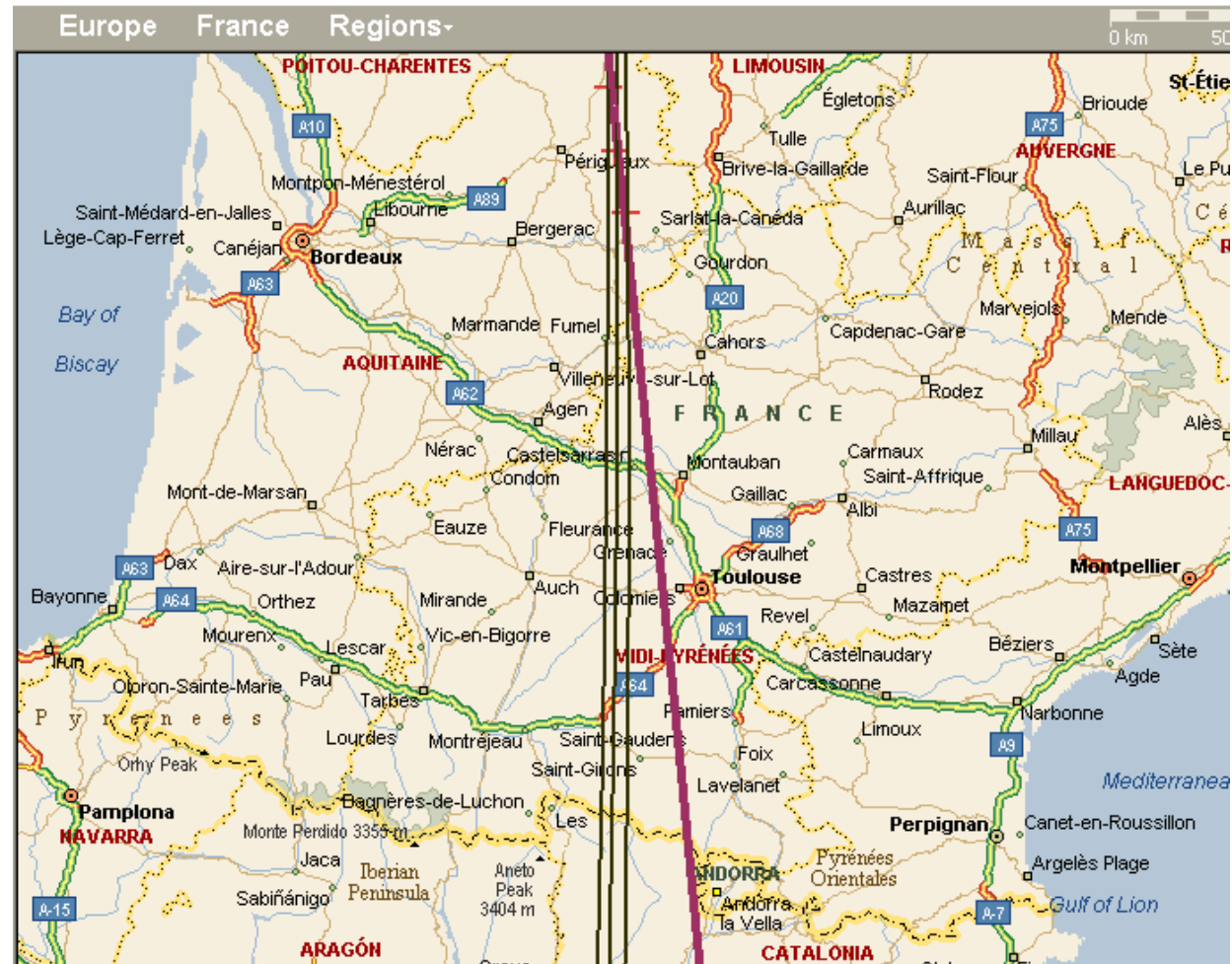
- > Quickly geolocating the source of an interference can avoid a legitimate user being damaged and let them successfully continue their transmission.

Results of a Geolocation



> Used Parameters:

- > Primary target: W3A;
- > Secondary target: W1;
- > 3 sessions of 8 blocks of 512 Kbit



- > The interfering signal is probably in Toulouse...