



THE ADVANTAGES OF CASTOR

- CASTOR's fifteen years of satellite tracking experience will be of service to your organization in the form of consulting for the design, construction, testing, training and operation of satellite tracking facilities.
- CASTOR has extensive knowledge of requirements management for satellite tracking facilities and small satellites.
- A CASTOR facility is less expensive than a typical TT&C installation; \$150,000 USD for a CASTOR facility vs. at least \$2 million USD for a typical TT&C or radar tracking installation.
- Obtaining satellite tracking data with a CASTOR facility does not require any prior clearances. With all TT&C and radar installations, prior clearance to broadcast or emit powerful radio transmissions is required.
- All data that is generated by a CASTOR facility is the property of the satellite owner and not an external entity. If the TT&C installation is not the property of the satellite owner, obtaining detailed data might be difficult and service can be withheld for any reason.
- A CASTOR facility will track any satellite it can detect. A TT&C installation can only track those satellites it is authorized to communicate with.
- A CASTOR facility can easily be expanded to become a satellite tracking service for other satellite owners and industries, depending on individual satellite accessibility.
- A CASTOR facility can (and should) be used for emergency satellite tracking in the event your satellite cannot be contacted with any available TT&C facility.
- A CASTOR facility should also be used as a hands-on training facility for future satellite tracking professionals. This training should include celestial coordinate systems, orbital mechanics, tracking facility engineering and tracking data analysis.
- A CASTOR facility will be used to attract important publicity for your satellite program, whatever its fundamental purposes might be. Demonstrating your own experience in satellite tracking is very reassuring to satellite suppliers and funding institutions alike.