

ANPC

Patria Netherlands is distributor of the TTLS: Transportable Transponder Landing System for the BeNeLux (Belgium/Netherlands/Luxembourg).

About TTLS

The Transportable TLS is a precision landing system for use at airports where terrain or land constraints make Instrument Landing System (ILS) installation impossible, or not feasible. The transponder tracking technology is patented by ANPC and provides high precision aircraft positioning in real-time for area surveillance and all-weather precision instrument approach to airports and landing areas worldwide.

Based on transponder multilateration, the TTLS is a performance-based system that complies with ICAO standards and recommended practices (SARPs) for ILS, secondary surveillance and precision approach radar (PAR).

The TTLS tracks aircraft using their Mode 3/A and Mode S transponders to provide practically any airport a precision ILS approach.

Applications

Precision approach for terrain-challenged airports with:

- Military deployments where fast set-up is required.
- Temporary airports.
- Terrain-challenged airports where conventional ILS systems cannot be installed.
- Airports in extremely remote areas (e.g. Arctic, Sahara).

Single system solution to deploying radar and ILS capability with lower initial costs and lower operating costs than purchasing those systems separately. Terminal area surveillance for ATC to monitor the approach and provide radar control services. Tactical ATC solution for expeditionary forces. GCA capability without the need for a separate, expensive precision approach radar (PAR). Approach and landing on oil rigs. Quickly deployable for disaster recovery and emergency services.

Transportable setup and operation

The Transportable TLS (TTLS) can be deployed and made operational in less than 6 hours with 3 trained personnel.

The system's placement on the airfield is flexible and is easily customized to mission requirements. Components can be placed entirely on one side of or astride a runway or helipad. Once deployed and calibrated, the TTLS is ready to support flight operations. TTLS can be uninstalled and packed for shipment in less than 2 hours by 3 personnel.

Please contact us to get more information at parts.nl@patriagroup.com and our Customer Support Office will get in touch with you.

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