

3-2. Multilateration



Category	Area	Technical Installations
	Theme	Improving air traffic efficiency

Product Summary

- A multilateration system (MLAT) is a secondary radar system that monitors the position of aircraft on an airport surface.
- JRC's MLAT achieves the world's highest level of positioning accuracy. In an evaluation at an actual airport, the system achieved a positioning accuracy error of 3 meters or less on the runway, compared to the standard of 12 meters or less (ED-117A).

Features

- High positioning accuracy can be obtained with a minimized number of receiving stations.
- Since the system does not need power supply and LAN cable in outdoors, it can reduce damage from lightning, typhoons, and water damage.
- It can also monitor aircraft up to 30 NM around the airport.

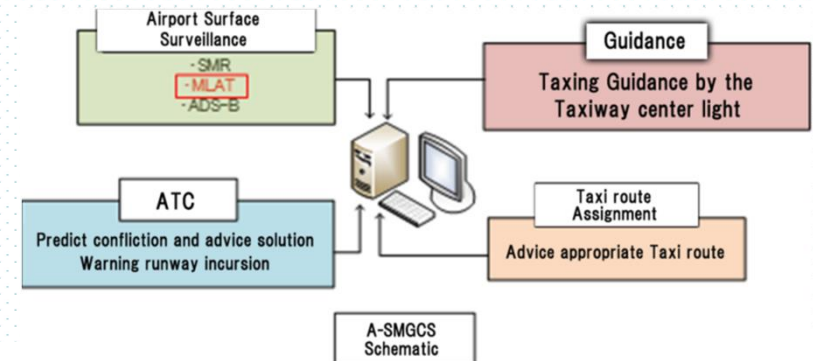
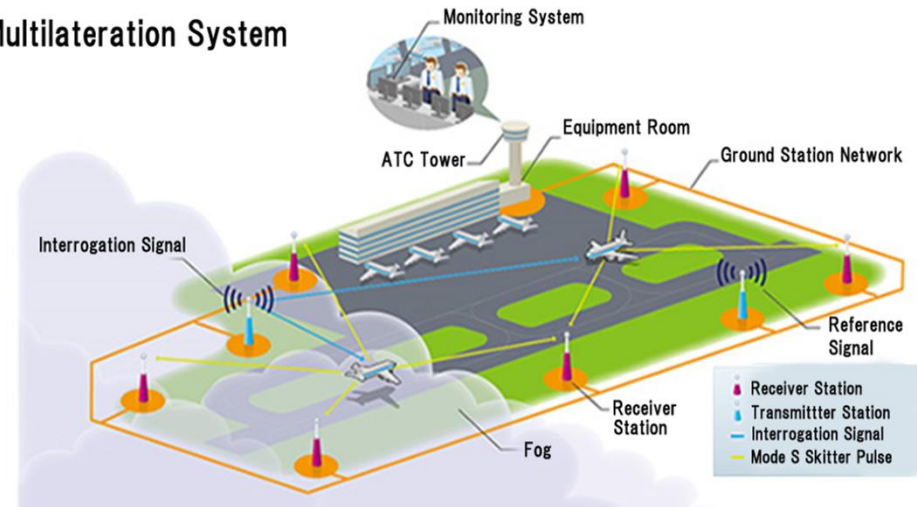
Applications

- Runway in the airport restricted area

Past Installations

- Japan : Fukuoka
- Overseas : (Vietnam) Phu Quoc

Multilateration System



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