

3-7. FOD Detection System



Category	Area	Technical Systems and Services(airside)
	Theme	Security and Safety

Product Summary

- Millimeter wave radar and high-definition cameras constantly monitor runway safety
- Location information of foreign objects detected by radar is instantly transmitted to a high-definition camera, which can capture the object's image.
- The location information and camera images of the foreign object are notified to the airport operator, enabling rapid retrieval of the object if necessary.

Features

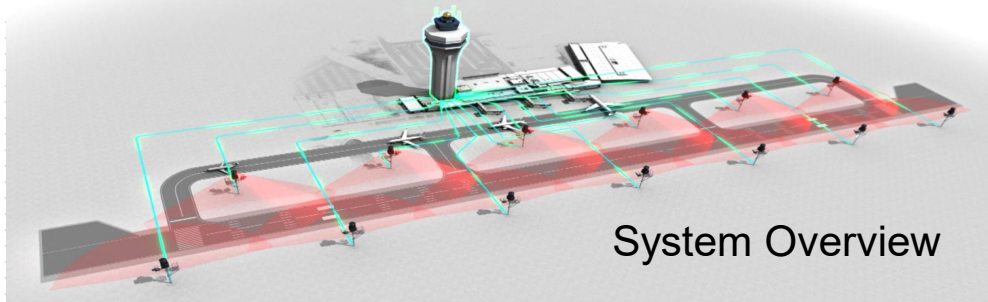
- Capable of detecting 1-inch diameter and 1-inch high metal cylinders (-20dBsm) at a 500m distance
- Confirmed to detect objects specified in EuroCAE MASPS (ED-235) with a detection rate of over 95% in clear weather
- One recommendation and one report have been approved and issued by ITU-R
- Minimizes risk of foreign object occurrence up to pilot report and equipment dropout report from hangar maintenance

Applications

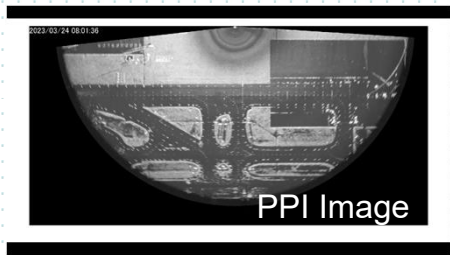
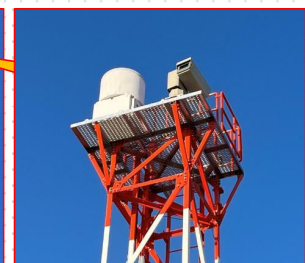
- Runway·Taxiway

Past Installations

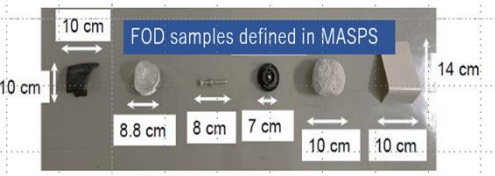
- Japan : Tokyo International Airport
- Overseas : Kuala Lumpur International Airport (KLIA)



System Overview



PPI Image



Hitachi Kokusai Electric

Contact Information

Public Solution Sales Department,
Hitachi Kokusai Electric Ltd.
URL: <https://global.all.hitachi-kokusai.com>