THALES REMOTE TOWER SOLUTION, BUILT UPON MARKET-LEADING TOPSKY PROVIDES A FLEXIBLE AND SCALABLE SOLUTION TO ENABLE LOWER COST ATC TOWER SERVICES

- Configurable from small heliport to large airport with functionality suited to each environment
- Leveraging the knowledge of Thales, which masters the complete set of ATC and Tower functions
- Offers high level of integration (ex: simple coordination, single FDP, common data, integrated visualization)
WHAT IS REMOTE TOWER?

A remote tower enables Air Traffic Control services to be provided at an airport from a remote location, instead of from the conventional ATC tower situated at the airport.

- The services are provided using innovative technology: high resolution cameras, microphones, sensors and a local processing system.
- The Remote Tower Centre is fitted with screens and hardware controls to enable the air traffic controller to provide the same ATC services as if seated in the conventional tower.
- Operations for several airports could be consolidated into a single Remote Tower Centre.

KEY BENEFITS

COST

- Significantly reduce CAPEX on traditional facilities by avoiding building ATC towers.
- Reduce OPEX by consolidating functional roles and optimizing controller rostering through multi-airport centers.
- Improve ATCO productivity via better situation awareness and more advanced CWP including video screen/wall.

SERVICE PROVISION

- Facilitates ATC services at previously “unjustifiable” sites.
- Extend services to dangerous locations (war zones).

CONTINGENCY

- Enable flexible operations as cameras and working positions are easily replicated.
- Remote facility can be located off-site, thus offering improvements in service continuity.
- Facilitates disaster recovery.

SAFETY & SECURITY

- Enhance situational awareness to eliminate aircraft and vehicle incursions onto active manoeuvring areas in low visibility.
- Deliver visibility beyond human capacity thanks to infra-red cameras and motion tracking.

FLEXIBILITY

- Multi-sensor architecture provides the ability to accommodate airport expansion and operational changes.
- Reconfigure operations to adapt to operational variability.

CUTTING EDGE

- With potential for integration of advanced future capabilities, like motion tracking and surveillance overlay, remote towers unlock additional capabilities for ANSPs.

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