

Liverpool

Liverpool John Lennon Airport were looking to implement Radar in the Tower (RiTT) without exhausting their internal resources. By combining the Tower and Approach radar functions together from the Visual Control Room, the airport will have the ability to increase resilience, improve flexibility and add efficiencies to the operational staffing.

Context

The Customer sought to implement RiTT as a means to provide Liverpool Airport with a long-term, ongoing benefit in relation to staffing requirements and efficiency whilst providing operational staff with opportunities to engage in a variety of additional tasks. As an ANSP who has operated a unit where RiTT is successfully functioning daily, ANSL were able to draw upon their experienced operational, technical and regulatory resources to develop a RiTT delivery package which is able to flexibly support ATC Units in the implementation.



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Tasks

- Review current operation, equipment and SMS/QMS documentation in order to produce a detailed plan for implementation
- Review existing ATM equipment to determine whether any required modifications or adaptations to existing systems for RiTT are to be implemented
- Produce a Compliance Plan made up of safety arguments, MATS 2 Safety Instructions, Temporary Operating Instructions and Human Factors assessment
- Directly engage with the Civil Aviation Authority to support the approval for a RiTT trial in a live operational environment
- Assist with the development of a Training Needs Analysis report including the creation of a bespoke training manual and the production of training brief packs
- Publish documentation that will support the customer's Unit Training Plan and Unit Competency & Currency Scheme
- Development of a temporary Air Traffic Control roster to be utilised during the live trial
- Creation of safety case for regulations and provide support to undertake operational trial.

Result

Currently awaiting approval for the live trial from the CAA, ANSL will be delivering a solution which will enable the customer to have a more efficient use of operational resources to match demand and capacity while having the ability to cover shortfall of staff with little or no notice and even generating surplus roster capacity. Moreover, this will enable the customer to increase employee satisfaction by maintaining a higher skill set for the ATCOs in periods of low traffic and allowing for the release of staff for tasks outside of controlling.

The Customer has expressed that ANSL's experience in Operational specialist support and previous experience in implementing RiTT has been invaluable. In particular, our ongoing relationship with the CAA across multiple units has enabled ANSL to further support the customer's regulatory discussions.

For more information on our partnership with Liverpool John Lennon Airport, please click [here](#).

