



Aerodrome Management Services Pty Ltd

BUSSELTON MARGARET RIVER REGIONAL AIRPORT, W.A.

Design & Construct – Runway Upgrade

Project Details

Client: Ertech/City of Busselton Value: \$2.0 Million
Location: Busselton Airport (YBLN) Date: June 2016 – March 2018

AMS was the designer and runway lighting sub-contractor for head contractor Ertech on the \$30 Million BMRRR upgrade, where the runway was strengthened for Airbus A330 operations, widened to code 4E standards and lengthened by approximately 300m at each end. AMS carried out the geometric design for all new pavements and overlays of the existing pavements. AMS designed and installed an LED runway lighting system, apron floodlighting and double-sided PAPI.

The project presented many challenges including the staged nature of the construction (over two construction seasons) and the need to maintain a fully-compliant runway for FIFO jet flights three days

per week. AMS provided aviation-safety advice and developed the Method of Working Plan (MOWP) and NOTAMs to assist Ertech to achieve construction efficiencies and provided a full time Works Safety Officer (WSO) for the duration of the project.

AMS provided a “temporary permanent” lighting solution that allowed installation of permanent primary cable outside the construction footprint so that the existing cable next to the runway could be decommissioned prior to widening. The runway was moved up and down the alignment during construction and fully compliant runway lighting was provided at all times.



PROJECT FACTSHEET

As part of the works, AMS also provided advice and suggestions to the City of Busselton to allow them to further understand and refine the layout of their proposed General Aviation Apron.

Project Achievements

- Engagement of local suppliers and subcontractors to complete the works
- Zero safety and traffic incidents
- Zero quality non-conformances
- The runway was moved twice before being established in the final layout, to allow construction to be carried out efficiently
- The aerodrome remained open during works except for an unavoidable 5 day closure, no disruption to scheduled flights
- Installation flexibility to allow the Head Contractor to alter their program in response to construction issues and weather

