

Project Details

Client

Ertech/City of Busselton

Location

Busselton Airport (YBLN)

Value

\$2.0 Million

Date

June 2016 – March 2018

AMS was the designer and runway lighting sub-contractor for head contractor Ertech on the \$30 Million BMRRA upgrade, where the runway was strengthened for 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, and 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, and the runway could be moved up and down the alignment during construction and fully compliant runway lighting could be provided at all times.

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 precinct and provide suitable areas for fire-fighting aircraft – both fixed and rotary wing.

Project Achievements

- ✚ Engagement of local suppliers and subcontractors to complete the works
- ✚ Zero safety and traffic incidents to date
- ✚ Zero quality non-conformances to date
- ✚ The runway was moved twice before being established in the final layout, to allow construction to be carried out efficiently
- ✚ 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 his program in response to construction issues and weather



AMS Aerodrome Management Services Pty Ltd



Design - Engineering - Construction - Electrical - Management - Inspections - Training - Security