

AMS has three Civil Engineers, two Electrical Consultant/Electrician and three Design Draftspersons providing Engineering Consultancy services. The engineering team are fully conversant in the requirements of CASA's Manual of Standards 139 (MOS 139), CAAP 92-1 (Aeroplane Landing Areas), CAAP 92A-1 (Aerodromes for Small RPT Aircraft), CAAP 92-2 (Onshore Helicopter Landing Sites), ICAO Annex 14 and the Royal Flying Doctor Service (RFDS) for airside design. They are supported by other staff with a wealth of knowledge in airport management and operations, ensuring that design is practical as well as compliant with the regulations.

AMS provides the following consultancy services to our clients:

- Obstacle Limitation Surface (OLS) drafting and airport master planning;
- New airport design – siting, feasibility, geometric design, electrical design and pavement design;
- Extensions to existing runways and aprons;
- Apron line marking design inclusive of aircraft manoeuvring modelling;
- Electrical consultancy encompassing airfield ground lighting (AGL) system design and apron floodlighting;
- Communications including radio equipment, assistance with frequency assignment;
- Supply of construction specifications and tender documentation;
- Tender evaluations;
- Carrying out third-party design checks and peer reviewing; and
- General advice on all facets of airside construction and maintenance.

AMS works with clients in the public and private sectors on projects ranging from a gap analysis of existing facilities against regulations, through to greenfield design projects for larger Code 4 aircraft.

AMS has provided consultancy services in some form to the majority of airports in Western Australia, as well as a number in the Northern Territory, Queensland, South Australia and Papua New Guinea.

Recent Project Experience



Coondewanna Airport – 2017

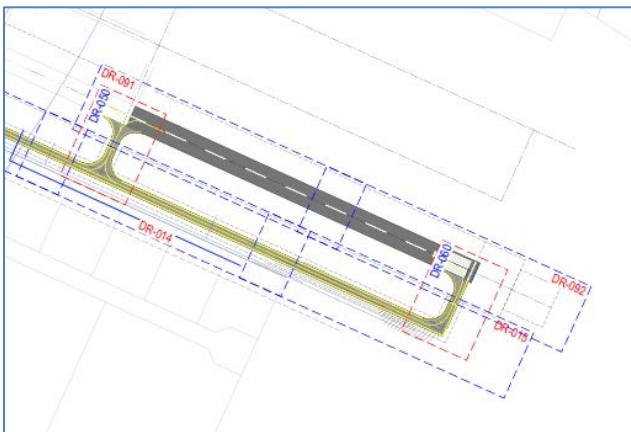
AMS provided design services for the upgrade to BHP's Coondewanna Aerodrome in late 2017. The project included granular and asphalt overlay of the existing pavements and reconstruction of the drainage system. AMS provided detailed geometric design and was also engaged to supply and install the airside electrical systems.



Gruyere Airport – 2017

AMS was engaged by Gold Road Resources to provide consultancy services for the greenfield aerodrome at the Gruyere Gold Project.

AMS carried out the geotechnical assessment and testing, detailed pavement, geometric and electrical design and preparation of tender documents. In the construction phase, we provided on-going support (on and off site) during the works.



Jandakot Airport – 2018

AMS carried out master planning detailed design works for Jandakot Airport for a new fourth runway, extensions to existing runways, new parallel and stub taxiways and new aeronautical ground lighting for the whole airport.

Full tender documentation was provided inclusive of technical specifications, scope of works and a bill of quantities.

Shark Bay Airport – 2018

AMS was engaged by the airport owner to design and supervise the upgrades required to widen the runway, regrade the runway strip, clear vegetation re-growth, reseal and line mark the existing pavements.

AMS provided full-time construction supervision on site, an Aviation Method of Working Plan as the works were conducted on an open aerodrome and project management services.

