



AMS provides airport operators with the equipment required for both standard and enhanced operations at their airport.

Wind Direction Indicators (WDI)

AMS can supply and install Wind Direction Indicators (WDI, or Windsocks) from “bottom to top” – pouring concrete for footings, erecting the pole and fixing the swivel and sock.

For un-lit WDI, AMS uses a local supplier who generally has poles in stock, and this reduces the freight costs for the client. WDI can be supplied as cyclone-rated if the site is within Wind Region D, or standard for all other Wind Regions.

Weather Stations

A Bureau of Meteorology (BOM) approved weather station is required to provide pilots and airline operations staff with accurate weather conditions at the site, allowing for better flight planning. In turn, this can reduce turn-backs or use of an alternate destination and can reduce the amount of fuel required to be carried – meaning greater payloads (more passengers) on a flight.



AMS works with a meteorological service provider, authorised under Civil Aviation Regulation 120, to provide turn-key supply and installation of a weather station for the client. This includes all civil works (concrete slabs, fencing), electrical supply (solar or grid), weather station installation, and assignment and licencing of a frequency within the aviation band for broadcast at the aerodrome.

Instrument Approaches – RNAV-GNSS and Others

Instrument approaches are primarily RNAV-GNSS non-precision approaches, as most passenger aircraft operating regionally in Australia are capable of performing these approaches. RNAV-GNSS approaches can reduce delays, turn-backs or use of alternates in low cloud situations through reduced landing minima (typically 1-2,000 ft less than without), and allow use of the airport at night by passenger aircraft (in conjunction with a compliant lighting installation).

AMS works closely with and provides required information to a Civil Aviation Safety Regulation Part 173-authorized design agency to provide airports with instrument approaches. AMS can also ensure the approach is “set and forget” for the airport, by managing the annual review process on their behalf.

A cyclone damaged WDI at Roebourne, and it's replacement supplied and installed by AMS





WDI Installation – Roebourne, Merredin, Golden Grove, Leinster, Groote Eylandt, Halls Creek

Weather Station Installation – Merredin

RNAV-GNSS Approach Implementation – Duketon Gold, East Jaurdi, Windarling, Barrow Island, West Angelas

