



Name:	Hedland Regional Resource Centre (Hospital)	Client:	DORIC Group (for the WA Department of Housing and Works)
Specifying Authority:	Wood & Grieve Consulting	Site Location:	South Hedland Western Australia
Value at Completion:	\$14 million	Year Completed:	2010

Project Description: The Hedland Regional Resource Centre is a \$138 million development that will provide new inpatient and outpatient facilities for the Pilbara-Gascoigne region.

Haden's scope of works includes:

- construction of mechanical services for new facilities including an operating suite, dedicated wards for surgical, obstetrics, and paediatrics, medical imaging, birthing suites, a hostel, an ambulatory care wing, emergency dept and support services
- review of design to ensure it meets performance criteria
- installation of air conditioning
- medical gases, supply installation and commissioning
- VRV system, sterilizers and boilers.

Environmental Initiatives: A formal Green Star rating was not targeted, however the works were implemented to achieve the equivalent of 2 credits for MAN-2 and 1 credit each for MAN-3, IEQ-17, and EMI-9 in conformance with the GBCA rating system.

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Technical Highlights:

- HEPA filtered Laminar flow hoods to operating theatres
- Variable Air Volume (VAV) boxes supplied by Air Handler Units (AHU) in mezzanine plantrooms
- central plantroom with chillers and cooling towers providing chilled water to the 8 independent zone plantrooms (AHU's receive fresh air via dedicated fresh air Air Handler Unit, which filters and tempers the air before supplying the AHU's)
- general and toilet extract air systems throughout the complex
- VIE Oxygen bulk storage tank and gas bottle storage facility
- controls and alarms
- medical gas distribution system, outlets, terminals, pendants and booms for oxygen, nitrous oxide, medical and tool air, vacuum
- air cooled split type VRV system.
- the CSSD will have two new self steam generating sterilisers
- 2 LPG boilers providing LTHW to some AHU's for limited humidity control.

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