

## PROJECT PROFILE

<i>Name:</i>	Intelligent Building Cabling system		
<i>Owner:</i>	Lyell McEwin Hospital, Central North Adelaide Health Service		
<i>Client:</i>	T.A.C. Andover Controls		
<i>Project Description:</i>	Installation of a structured CAT6 cabling system for Data, Voice, BMS, Nurse Call, Security and CCTV plus a separate RG11 and RG6 MATV installation		
<i>Site Location:</i>	Elizabeth South, South Australia		
<i>Value at Completion:</i>	\$2,185,676.00		
<i>Year Completed:</i>	2005		
<i>Referees:</i>	Michelle Gheorghiu Director E&BS Lyell Hospital Ph: (08) 8182 9601	Garry Gilbert Business Manager Comscope solutions (08) 8353 1148	Bob Leysenaar Systems Support Officer N/W Health Service (08) 8222 6947



Diverse Data Communications performed the following works;

- The Lyell McEwin Hospital has went through a major redevelopment over a number of stages commencing 2002. This involved cabling for temporary staff accommodation to allow demolishing work before the new project was able to commence
- The total project consisted of 17 new communications closets and augmenting 4 existing communications closets
- Each new communications closet had:-
  1. Backbone cabling fed from the main communications room S-00 with one 16 core MM fibre cable, one 16 core SM fibre cables and either 100 or 200pr voice grade cables for the telephone system.
  2. Systimax VisiPatch communications frame
  3. 45RU cabinet for active equipment and CCTV DVR
  4. Wall mounted BMS-Security-Nurse call panels all connected back to the VisiPatch Frame
- Cat.6 cabling was installed to outlets below the ceiling for voice and data
- Cat.6 cabling was installed from the VisiPatch frame to outlets mounted above ceiling for BMS, Nurse Call and Security.
- From the data points installed above ceiling space we installed all devices for BMS, Nurse Call, Security and CCTV.
- T.A.C. Andover controls commissioned the BMS, Nurse Call and CCTV and we at Diverse Data commissioned the security system.
- The BMS, Nurse Call, Security and CCTV systems were all connected on there own intelligent cabling network and fed back to the main communications room. The main comms room was the only place where this system connected with the hospital network and only then through a firewall.
- In total there were approximately 5,700 Cat.6 Systimax 1071 data cables installed plus 2,500 equipment ties between the 45RU active equipment cabinets and the VisPatch frames.
- In addition to the above we installed all new MATV points throughout the new section of the hospital. This was fed from the existing head end equipment via RG11, RG6, splitters and amplifiers.

## PROJECT PROFILE

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*Key Project Personnel:* Joe Phillips

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*Special Project Achievements*

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*Quality Standards Applicable* Standard

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*Specific OH & S Requirements* Standard

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