



WASTEWATER SYSTEM SCADA UPGRADE, GOLD COAST WATER

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2007 Zenith Awards Entry

Project Location:

South East Queensland

Project Description:

Parasyn has been working with Gold Coast Water since 2002. The successful implementation of the wastewater SCADA upgrade project in 2006 was the culmination of close collaboration with the client over a number of years. In addition to serving a fast-growing population, already close to half a million people, Gold Coast Water has to cope with over 11 million visitors each year. As a result, the authority's wastewater operation is massive, comprising a complex network of 2678 kilometres of pipes and sewers, over 550 pumping stations and four wastewater treatment plants. To keep pace with demand, the system is developing and growing all the time. To ensure the provision of quality services, Gold Coast's SCADA system is a critical tool. Parasyn developed a fully redundant 240,000 point single server system, making it one of the largest single server systems of its kind. This has been integrated with a third party wastewater database and modelling system while provisions have additionally been made to incorporate an advanced Energy and Storage management System (ESMS) to optimise energy consumption.