

CAPABILITY STATEMENT

John Gransbury



Technical Director Irrigation and Water Engineering

CONTACT DETAILS

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QUALIFICATIONS

- Bachelor of Engineering (Civil)
- Chartered Professional Engineer (Civil)
- Certified Irrigation Designer (Agricultural Drip/Micro)
- Certified Irrigation Agronomist

PROFESSIONAL ASSOCIATIONS

- Institution of Engineers Australia
- Irrigation Association of Australia
- National Engineers Register, RPEQ

COMMITTEES OR BOARDS

- Australian Chapter of the American Society of Irrigation Consultants President

John has specialised in irrigation since graduating as a Civil Engineer from University of Adelaide over 40 years ago.

In the first part of his career, John worked for equipment manufacturers, designing and supervising construction of irrigation projects; for three years in the Middle East and then five years in Australia and Asia.

In 1986, after recognising the growing demand for independent design services, he started HydroPlan's office in Adelaide.

His reputation is built from practical and outside-the-square solutions that are more cost-effective, efficient and robust.

Areas of expertise

- Irrigation system design for pop-up, drip, micro and pivot
- Pump stations, fertigation, filtration, specialty valving
- Automatic control
- Re-use schemes
- Feasibility studies, specifications, contract administration
- System analysis and troubleshooting

Professional experience

- Pinion Advisory (HydroPlan) – Technical Director - Irrigation and Water Engineering, 1986-present

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Relevant projects

PROJECT	ROLE	CLIENT	YEAR/S DELIVERED
Willunga Basin Wastewater Scheme	The joint venture of 17 'Stage 1' water users south of Adelaide self-funded a 25km 24ML/d wastewater scheme, then almost before the 9-month construction was completed, began expanding it to 110km. After 14 years of expansion and self-management, Water Utilities Group (Colonial First State) bought WBW, in 2013, and expanded from 160 to over 200 customers, 70ML/d and 6,000ML/a. Design engineer and operator during M&A transition and major refurbishment	Willunga Basin Water	
Gawler Water Reuse Scheme	Local/Federal funded \$22m scheme taking wastewater and stormwater to the Western Barossa. Design engineer, construction manager (18 months) then operator for 18 months. Includes 43km and 5 pump stations to 52ML/d	Bunyip Water	2015
Murrumbidgee Irrigation	Six horticultural districts were converted from open channel to a 'on demand' pressurised distribution system with flows to 1000L/s		
Aldinga Managed Aquifer Recharge	Following preliminary trials in 2001, in 2009-10 designed, project-managed and operated a 3-well 100ML MAR/ASR scheme at Aldinga, for SA Water and WBW using treated urban wastewater	SA Water & Willunga Basin Water	2001 and 2009-2010
Community Pipeline Scheme	The joint venture of 45 growers brought water from Lake Alexandrina to replace their deteriorating groundwater. Pipes varied from 630mm to 80mm, over a distance of 35km, to feed 53 outlets drawing up to 470L/s simultaneously under pressure. Design and installation were completed within 12 months	Langhorne Creek Water Company	

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Network optimisation	Foundation Partner and Technical Consultant to Optimatics (now owned by Suez), pioneers of water system design techniques using genetic algorithms, for many irrigation and rural water supply projects, including Wimmera Mallee Water, East Lodden (GMW), Anabranch, Loxton Irrigation District (4000L/s) and Creeks Pipeline (1500L/s and 80km)	Optimatics	
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