

# CAPABILITY STATEMENT

## Mike Allen



### Senior Engineer Engineering

#### CONTACT DETAILS

0418 193 247

The Palms, Unit 4  
62 Glen Osmond Road  
Parkside SA 5063

#### QUALIFICATIONS

- Bachelor of Engineering - Agriculture
- Certified Irrigation Designer – ASP21102
- Certificate III – Water Operations – ASTR

#### PROFESSIONAL ASSOCIATIONS

- Australian Managers, Engineers and Scientist Association
- Member of Institute of Engineers Australia

Mike has experience in the design, drafting and project management of irrigation systems since 1994. Mike has previously worked for companies designing irrigation systems in Queensland, South Australia, Victoria and New South Wales.

His experience in design, operation and horticultural practices has created excellent knowledge of the elements that lead to successful long-term irrigation systems. Mike is proficient in computer-based design and is a qualified Agricultural Engineer.

Mike has been involved in the design and project management of numerous irrigation and water supply systems for broadacre farms, intensively irrigated row crops, horticultural properties, viticulture, and municipal councils. He is also experienced in industrial pumping and food processing.

### Areas of expertise

- Irrigation system design including agriculture, horticulture, commercial landscape and turf
- Filtration and water treatment
- Computer aided design
- Hydraulic network modelling
- Pump station design

### Professional experience

- Pinion Advisory (HydroPlan) – Senior Engineer – Water Engineering, 2014-present
- Power Pump & Engineering – Internal Technical Sales – 2012-2014
- Thinkwater Victor Harbor – Branch Manager – 2009-2012
- AgriExchange (Yandilla Park) – Irrigation Engineer – 1998-2009
- Lindsay Rural (P&H Rural) – Irrigation Designer – 1994-1998

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## Relevant projects

PROJECT	ROLE	CLIENT	YEAR/S DELIVERED
Roseworthy Recycled Water Scheme	Design of recycled water scheme to remove stormwater created by urban development and integrate into the Gawler Water Reuse Scheme. The water is sent to the Western Barossa for vineyards and treated and returned to Roseworthy for irrigating public open spaces.	Bunyip Water	2022 - Ongoing
Kalimna Recycled Water	Design of transfer system and storage of winery wastewater to be used for irrigation on vineyards. The design included the blending of high and low salinity water sources to manage salt impact on the vines.	Treasury Wines	2019 - 2021
Gawler Water Reuse Scheme	Design of pump stations and pipelines for harvesting flood waters from the Gawler River, recycled water and MAR, and delivering to vineyards and urban reuse in the Western Barossa. Stage 1 system capacity is approximately 4GL/a	Bunyip Water	2015-2022
Wah Wah Stock & Domestic Scheme	Option analysis using genetic algorithms to find the most robust concept for a 400km pipeline to service 40 farms spread over 180,000ha from the Murrumbidgee River. Water savings of 80% are predicted.	Murrumbidgee Irrigation	2015
Open Field Hydroponic, SA & VIC	Design and installation of the first Martinez open field hydroponic systems in South Australia and Victoria. Challenges included control of large low application drip systems, accurate continual dosing of fertilisers, chemical handling, cleaning and sanitation.	Various clients	1999-2009
East Grampians Rural Pipeline	Design of 1,500km of rural pipeline for stock and domestic purposes. Involvement included hydraulic design of pipelines, design of pump stations, review of routes for construction, environmental and cultural heritage. Functional and operational design of the network system.	GWMWater	2020-current