Mike Allen

Manager
Water 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) – Manager – 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
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 4 GL/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
Cotton, Emerald, QLD	Designed and supervised the installation of 250 hectares of subsurface drip irrigation for a cotton farm	Private client	1997
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
Almonds, Lindsay Point, VIC	Designed and supervised installation of a variable flow pump station servicing 220 hectares of almond orchard working within strict power and site space restrictions	Private client	2006

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