

## Siavash Katebizaki



### **Project Consultant Water & Environment**

#### **CONTACT DETAILS**

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#### **QUALIFICATIONS**

- Bachelor of Science (Irrigation Engineering)
- Certified Irrigation Designer (Commercial Turf/Landscape)
- Certified Irrigation Agronomist
- Certificate in Pressurised Irrigation Systems

#### **PROFESSIONAL ASSOCIATIONS**

- Irrigation Australia
- Australian Sports Turf Managers Association

Siavash is a highly proficient engineer with more than 20 years' experience in the design and project management of irrigation systems.

Before joining HydroPlan, Siavash worked for Think Water as an irrigation designer and estimator across commercial and agricultural projects.

Graduating with a degree in irrigation engineering in 2000, Siavash established his career as an irrigation and drainage engineer in Iran working across agricultural and water supply projects. Specialising in design, he worked on components including open canals, mains pipelines, surface irrigation, drip and sprinkler irrigation systems on projects spanning up to 3,800 hectares. In addition, he has project managed construction works, trained irrigation operators and undertaken a number of system audits and analyses to identify potential efficiency gains.

In addition to his technical expertise, Siavash has managed all stages of the project life cycle including undertaking feasibility studies, preparing tender documents, cost estimates and project budgets and managing contractors.

- Irrigation system design
- Hydraulic system modelling
- Irrigation system audits
- Drainage design
- Hydrology assessment

#### **Professional experience**

- Pinion Advisory (HydroPlan) – Project Consultant – 2021-present
- Think Water – Irrigation Designer and Estimator – 2015-2020
- P.O.R – Water Engineer – 2013-2015
- A.K.S - Water Engineer – 2005-2013

# CAPABILITY STATEMENT

## Relevant projects

PROJECT	ROLE	CLIENT	YEAR/S DELIVERED
Caddadup Wastewater Treatment Plant Water Supply, Mandurah, WA	Caddalup WWTP in Mandurah supplies required irrigation water for several irrigated areas in Mandurah. Existing and future irrigated areas were identified and required irrigation demand was calculated. A couple of options for required water supply infrastructure (transfer pipeline, storage tanks and pumping systems) and construction costs for each option were provided for client and the best option was suggested to client for further progress.	City of Mandurah	2021
Subiaco Oval East Redevelopment	<p>Previous Subiaco football stadium (opened in the 1880s) has been extended and developed to new landscape area around the oval.</p> <p>Siavash completed water requirement balance for the existing and future irrigated areas and suggested an additional bore and treatment unit to the existing water supply system.</p> <p>Siavash designed a new bore, iron filter unit and irrigation system covering whole the existing and future development of this multistage project.</p>	City of Subiaco	2021
City of Karratha's sport fields	Siavash designed new irrigation system at 3 sport fields including Kevin Richards Memorial, Windy Ridge & Hampton Ovals in Karratha. Siavash analysed various sprinklers to achieve the high uniformity and efficiency regarding the site condition.	City of Karratha	2022
Aras irrigation network	Siavash has been involved in many large agricultural irrigation projects in middle east. Aras irrigation network with total area of 2000 hectares of pressurised irrigation system and main transfer pipe is one of the large-scale projects that Siavash has managed and involved in irrigation system design and documentation.	I.A.M	2013