

## Technical Support Services

The Technical Support Services (TSS) team provides engineering and asset management support to new and existing infrastructure. TSS aims to provide technically viable and commercially feasible solutions to our irrigators. From concept design to construction, our Project Engineers work with Project Managers to ensure the planning, design, and technical specifications, as well as performance and environmental monitoring of existing schemes are understood and are fit for purpose. Our team ensures all infrastructure asset decisions have rigour and meet reliability standards.

The stages of design development, review and approval are:

- Concept Design – Constructability Review and Capital Cost Estimation- Pre-water sales
- Preliminary Design for Business Case Development-post water sales
- Detailed Design – in conjunction with our Design Partner arrangement (post Business case)
- Design support during Construction

### Design Partner

Following the creation of 15 operational irrigation schemes and with a further 10 in the pipeline, this has enabled Tasmanian Irrigation (TI) to refine many of its procedures in a bid to achieve best practices in project design and delivery. TI highly values the consulting and contractor industry feedback received. TI has taken this feedback onboard to further improve its practised and to achieve the best possible outcomes for all parties. As such, has engaged a design partner arrangement to deliver the Tranche 3 projects.

The design partner's role is to develop the scheme's detailed design in accordance with the project requirements identified in the preferred option and post water sales outcomes and agreed to by the government funding criteria.

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**Benefits:**

- To ensure control of design outcomes including OPEX costs, whole-of-life considerations, standardisation
- Provides for greater control of design prior to construction tender
- Optimises capital expenditure whilst minimising on-going operational costs
- Enhances our capacity to identify constructability risks and develop robust capital cost estimates as design develops.

Establishing this partnership early in the piece allows for TI and our design partner to work more closely throughout the process. This reduces the design risk and allows for previous lessons learned from past projects to be readily incorporated.