

THINK TANK

APRIL 2019



Fresh faces

SHARING THE THINK WATER SUCCESS!

THINK TANK TABLE OF CONTENTS

MESSAGE FROM THE GENERAL MANAGER	3
2019 ANNUAL CONFERENCE: PERTH	4
WELCOME THINK WATER HAWKES BAY (OMAHU RD)	7
THINK WATER CRADLE COAST OPEN FOR BUSINESS!	9
WELCOME THINK WATER SOUTHLAND!	11
DAVEY CASE STUDY: A KEY ELEMENT IN GOOD SOIL	12
STORE PROJECT: METROPOLITAN GOLF CLUB	13
STORE PROJECT: PERTH STADIUM PEDESTRIAN FOOT BRIDGE	15
THINK WATER STAFF WIN TOP TRAINING AWARD	17
WATER TANKS FROM 1,000 TO 363,000 LITRES	19
THINK WATER ONLINE TRAINING ACADEMY	20
H2GO STORE SOFTWARE RELEASED	21
TRAIL BLAZERS IN WATER HARVESTING INNOVATION	22
NEW PRODUCT INTRODUCTION – NETBEAT™	23
THINKING OF RENOVATING? DESIGN FOR SUCCESS!	25
WATER TANKS AND DIESEL STORAGE SOLUTIONS	26
MOO-VING ON WITH A NEW DAIRY SHED	27
INTERVIEW WITH TTI DIRECTOR	28
PHILMAC GREAT GONE FISHIN' GETAWAY	29
THINK WATER WELCOMES NEW SHAREHOLDERS CLAYTON CASE STUDY	31
STORE PROFILE: WEST COAST	33
SOLAR PUMP SUPPLIES WATER IN REMOTE LOCATIONS	34
STORES SUPPORTING THEIR LOCAL COMMUNITIES	35
MOLLY'S JOURNEY	37
HIGH PERFORMANCE LEADER BOARD	39



THINK TANK MAGAZINE

PUBLICATION OF THINK WATER
GENERAL MANAGER TONY FRANCE
EDITOR DAMIAN MORGAN
CONTRIBUTOR EMILY SHAY,
RUTH ANNESLEY, CHRIS REHM,
GRANT KITTO AND PHIL BEST
DESIGN OSPREY MARKETING



Fresh faces

SHARING THE THINK WATER SUCCESS!

The fresh faces from new stores and new owners of existing stores that fill the front cover of this edition of Think Tank are a sign of great things to come for Think Water.

Our membership is growing – and the more members we have in the Think Water family the more knowledge we have to share, the more resources we have to invest, and the more brand recognition we enjoy across Australia and New Zealand. This is not growth for growths' sake – but strategic growth with the addition of high-quality members who will be great contributors and ambassadors for our brand.



Our growing membership means we can invest in programs like our new software systems, the Think Water online academy, additional HR support, new marketing strategies and more. It gives us an edge, and the resources we need to thrive into the future.

This year's conference in Perth is already fully booked, and we're excited about sharing more information about these initiatives and officially welcoming our new members. We're also excited about the amazing program of speakers, including All Black legend Andrew Mehrtens and Jason Gehrke, Think Water Independent Director and franchising expert – with more announcements soon! We'll also be holding topical and practical workshops – and there'll be no shortage of social events.

Think Water is at its best when we're together in one place, sharing strategies and inspiring each other – and this year in Perth we'll have fresh ideas (and fresh faces!) to make it the best conference yet. Get excited. See you in the West!



Tony France
General Manager

2019 Annual Conference: Perth

This year we are building on the huge success of our 2018 Think Water conference in Fiji to bring you an even better experience at our 2019 Annual Conference. The response from our Think Water stores and Preferred Suppliers has been fantastic and we know the excitement is building months before the event.

Our Members have voted to take the 2019 Annual Think Water Conference to Perth for the first time. It will be held on the 8th to 11th August.

With many of our Think Water stores based in Western Australia, the city of Perth is well overdue as a conference location and with many choices on offer we are excited to announce we have selected the Crown Hotel as our conference venue. The choice of a 5-star conference venue with a selection of 3 hotels gave the Think Water team plenty of variety of accommodation in one of the most exciting cities in Australia.

This year the conference has been moved to a long weekend event to encourage attendance by all stores, disrupting their working week as little as possible.

Our conference provides Think Water Members with a valuable opportunity to network with both fellow Members



across Australia and New Zealand and our Preferred Suppliers, while giving the unique opportunity to share business practices with both the stores and Preferred Suppliers.

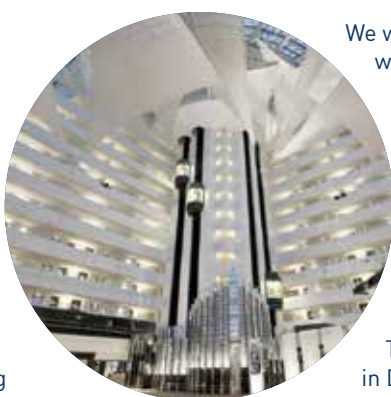
We will start the conference with an optional pre-conference Bus Trip from Think Water Albany through coastal Western Australia visiting some of the biggest tourist attractions through Denmark, Margaret River and Dunsborough. We will also visit Think Water stores in Dunsborough and Bunbury, before arriving at the conference venue on Thursday afternoon.

We will be repeating our highly successful speed meetings with our Preferred Suppliers and will have a range of speakers sharing the successes of a number of our businesses. While there will be a focus

on work and ensuring our stores have the tools they need to grow their business in the coming year, we will also be making time to have some fun. There will be a bit of competition thrown in with an Amazing Race around Fremantle finishing at the Little Creatures Brewery to watch the Bledisloe Cup hosted in Perth.

As with all our conferences the highlight of the program will be our Awards Dinner celebrating our successes over the past year. We will continue with our long-standing awards to stores and Preferred Suppliers including the newer awards we introduced last year.

We are confident our 2019 conference will continue as a not to be missed event – we can't wait to see you there!



Conference Program

DATE	START	FUNCTION
Thursday 8/8/2019	6.15 ^{PM}	Philmac Welcome Dinner
Friday 9/8/2019	8.30 ^{AM} – 5 ^{PM} 6.15 ^{PM}	Supplier Speed Meetings Iplex Awards Dinner – Chicago/1920s themed
Saturday 10/8/2019	8.30 ^{AM} – 3 ^{PM} 3.15 ^{PM} – 5.30 ^{PM} 6.30 ^{PM} – 10.30 ^{PM}	Conference Day 1 Sessions Toro Amazing Race Grundfos Offsite Dinner - Little Creatures Brewery
Sunday 11/8/2019	8.30 ^{AM} – 1.30 ^{PM} 1.30 ^{PM}	Conference Day 2 Sessions Conference Close



AWARDS DINNER

SPONSORED BY



Join us as we celebrate the outstanding achievements of our Members and Suppliers of the year. This year's Iplex Awards Dinner will be 'Chicago/1920s' themed – prizes for the best dressed!



WELCOME DINNER

SPONSORED BY



The Philmac Welcome Dinner is a chance to catch up with the Think Water Family and get ready for a great conference ahead. Join us at the hotel for a relaxed dinner.

GRUNDFOS OFFSITE DINNER

SPONSORED BY



Some friendly Trans-Tasman rivalry will be on show as we cheer on the Wallabies vs All Blacks in the Bledisloe Cup at Little Creatures brewery. Team polos will be provided!



Travelflex[®]

Premium Quality Irrigation Hose



Advanced
INDUSTRIAL PRODUCTS

Superior Quality IRRIGATION HOSES

BLACK NITRILE RUBBER IRRIGATION HOSE



For use with travelling irrigators. Highly abrasive resistant for tough Australian conditions. The nitrile rubber compound is highly resistant to oil and other chemicals. Resilient and flexible rubber to resist kinking with excellent UV resistance. Lightweight yet strong. Pliable for flat storage and comes with a 10 year warranty. Temperature Range: -30°C to +75°C



Made in Norway by
mandals
SINCE 1978

RUBBER

Part No.	I.D (mm)	I.D (inch)	Wall Thickness (mm)	Tensile Strength (kgs)	Burst Pressure (mpa)	Weight (kg/mt)	Coil Length (mt)
TIH50***	51	2	2.8	4,700	6.5	0.50	200
TIH65***	63	2½	2.9	6,700	5.5	0.70	200
TIH76***	76	3	3.1	8,100	5.0	0.95	200
TIH90***	90	3½	3.2	9,100	4.0	1.12	200
TIH102***	102	4	3.2	10,200	4.0	1.32	200
TIH114***	114	4½	3.2	11,200	3.5	1.43	200
TIH127***	127	5	3.3	12,200	3.0	1.68	200
TIH150***	152	6	3.8	16,600	4.2	2.25	200

THE CHOICE IS YOURS!

BLACK POLYURETHANE IRRIGATION HOSE



Powaflex P.U long life travelling irrigation hose is manufactured from black thermoplastic polyurethane, extruded through a polyester weave. The weave is designed to meet the requirements for high tensile strength and to keep the bending radius to a minimum. Temperature Range: -50°C to +75°C.



Made in Norway by
mandals
SINCE 1978

POLYURETHANE

Part No.	I.D (mm)	I.D (inch)	Wall Thickness (mm)	Tensile Strength (kgs)	Burst Pressure (mpa)	Weight (kg/mt)	Coil Length (mt)
PPUB50	51	2	2.6	5,400	7.0	0.52	200, 300
PPUB65	63	2½	2.6	6,500	5.0	0.64	200, 300
PPUB76	76	3	2.8	7,900	4.8	0.78	200, 300
PPUB90	90	3½	2.9	9,100	4.0	0.95	200, 300
PPUB102	102	4	3.0	10,100	3.6	1.16	200, 300
PPUB114	114	4½	3.0	10,800	3.4	1.30	200, 300
PPUB127	127	5	3.0	12,000	3.2	1.48	200, 300
PPUB152	152	6	3.0	14,900	3.2	1.72	200, 300

Proven performer in Australian conditions for over 30 years





Officially opened on 8th February, the second Think Water Hawkes Bay store became the 18th store in New Zealand.

Located at 1203 Omahu Road Hastings, the store is run by existing Think Water store owners Mark Tremain and Anthony Waites. The decision to open another store came as a result of the restructuring/downsizing of a direct competitor. Mark and Anthony seized this opportunity to increase the footprint of their existing operation in nearby Napier, approximately 26km away.

Based in the heart of a horticultural and viticultural area and well located in



a light industrial part of Hastings, this new Think Water location will provide customers with all their irrigation and water management needs without needing to travel either into central Hastings or nearby Napier.

With over 30 years of experience the highly regarded team at Think Water Hawkes Bay will continue to provide the exceptional quality of service their customers have come to expect.

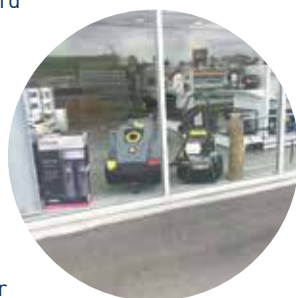
The new store is staffed by Blair Heasley, who had previously worked for Mark and Anthony before spending some time with a competitor. However, seeing this opportunity he has returned to Think Water and taken on the challenge of setting up and managing the new branch.

The new building looks magnificent and with its modern style and fresh branding sets a new standard in what our stores should look like.

The product range is diverse, and the showroom is well stocked with Think Water Preferred Supplier product from Solo, Puretec, Karcher, WSP, Iplex, Netafim and many others. Many of our Preferred Suppliers supported the opening day with their presence and product demonstrations, and no opening would be complete without Rory Learmonth slaving away on the obligatory Iplex barbecue. Thank you to all the

Suppliers who contributed to the opening of this store in the form of product, merchandising, sponsorship and their physical presence, it was much appreciated.

We wish Anthony, Mark and their teams all the best with the new store. Adding a third Think Water branch demonstrates their enthusiasm and value that they see in the Think Water brand.



thinkwater.
HAWKES BAY



Waterplex

P 1300 72 66 70
W waterplex.com.au

*The **ONLY** water solution you need.*



GRAF CARAT

Underground water storage tank 2,700L to 10,000L

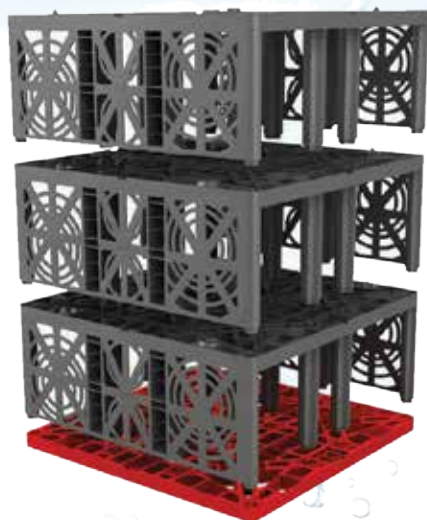
GRAF LI-LO

Flat rainwater tank 1500L / 3000L / 5000L



GRAF PLATIN XXL

Flat rainwater tank 10,000L / 15,000L / 25,000L



GRAF ECOBLOC

Stormwater Detention
Limitless Modular Solution



GRAF DIAMANT

Grease Separator 2200L / 3550L



GRAF SAPPHIRE

Grease Separator 600L / 900L / 1200L

Think Water Cradle Coast Open For Business!

Recognising a gap in the market around the Cradle Coast area of Northern Tasmania, Conrad Odgers and Jodie Wainwright have invested in opening a new store based at Spreyton just inland from Devonport.

The store is managed by Brendon Glover. Prior to joining Conrad and Jodie's team, Brendon ran a successful outdoor maintenance franchise for 5 years.

The Cradle Coast area runs from Burnie in the west to Deloraine in the east, with Devonport in the centre. This region is Tasmania's food bowl with high value horticulture and irrigation is the key to productive farms. Other farming enterprises include, beef, dairy and numerous lifestyle customers on acreage around the many smaller towns in this area.

Conrad and Jodie are keen to open up opportunities along the coast which will complement the existing Smithton store, having grown significantly since they took over 5 years ago. The Smithton market has geographic constraints being in the

North Western corner of Tasmania, so heading East is a logical business move, opening more horticultural irrigation markets.

Customers are crying out for a full-service business which including pump repairs, irrigation design and irrigation service for pivots and pump stations as well as a well-stocked trade store. While their store footprint is small there is plenty of stock, and this can be easily serviced from Smithton or supplied from mainland suppliers.

The business will provide trade and commercial pumps, commercial and domestic filtration, water tanks, irrigation systems and control and Reinke



pivots. The site is well located at Spreyton offering customers easy truck access and plenty of hard stand.

thinkwater.
CRADLE COAST



NEW MODEL!

TURN YOUR TAP INTO A BACTERIA-ELIMINATING WATER FILTER TAP!

The **Hybrid M1** uses Radfire™ ultraviolet technology to kill 99.9% of bacteria. It's also eco-friendly and does not use any chemicals.

This system can be connected quickly and easily to any mixer tap. It turns your rainwater into pure, safe, delicious and healthy drinking water.



For more information on our water filtration range, please call us on **1300 140 140** or visit our website at puretecgroup.com

 **Puretec**[®]
PERFECTING WATER

Welcome Think Water Southland!



Located in the city of Invercargill, Think Water Southland is the most southerly store in the Think Water family.

Think Water Southland was created when Dale Williams purchased Southland Pumps in June 2015, a business that had been operating for over 13 years.

After two years as the new owner of the established store, Dale saw the advantages of being part of the Think Water group, becoming Think Water Southland in December 2017.

The store initially started with just Dale and Roger Hatton as Service Tech, but as the business has grown and developed they have been joined by Robyn Pouw, Harman Singh Pun and Nicola Scurr.

The strength of this branch is its people; Dale came from a fire protection and agricultural service background, previously being branch manager for Wormald, and then on to Livestock

as looking after the front counter and service coordination. They are a small, yet highly effective team who are always upbeat, friendly and enthusiastic.

The Southland region is a large area and contains a wide range of agricultural, horticultural, industrial and commercial customers. Dairy farming is strong in Southland, and Dale and his team have developed some home-grown methods for iron removal as part of their water treatment product range. They have also branched out into dairy effluent.

Vegetable growing and processing is another major market, along with industrial commercial users, such as the Tiwai Point Aluminium Smelter in nearby Bluff. And of course, they carry out sales and service of domestic pumping and water treatment systems.

Key preferred suppliers to this store include Karcher, Puretec, Grundfos, Hansen Products, Aquaspec, WSP and Devan Tanks.

Improvement Corporation where he became the #1 sales person in New Zealand. Roger has considerable experience in the pumping and water treatment industry, and Harman is a skilled specialist in the Karcher product range. Robyn looks after the admin and has just led the implementation of the Think Water Software into the business (so we now have an expert in NZ!). Nicola acts as sales support for Dale as well



Water a key element in good soil

Above Day breaks over the vines at De Bortoli, Yarra Valley
Below Rob Sutherland, Viticulturist And Vineyard Manager, De Bortoli Wines

Getting irrigation right is an essential part of any vineyard operation, but not only because water is crucial to growing grapes: it's also crucial to optimised soil microbiology, according to De Bortoli viticulturist Rob Sutherland, who has just overseen the installation of a Davey Monsoon IQ pump controller at the company's Yarra Valley Estate.

At 600 acres of vineyard, De Bortoli's Yarra Valley Estate is twice the size of the next largest vineyard holding in the region. Conditions in the area are incredibly variable, from frosts at minus 2 or 3 degrees at one end of the season to scorching days of up to 42 degrees.

There's an enormous amount of variability to manage across topography, orientation and temperature. Davey's Monsoon IQ with remote monitoring makes it easier for Rob to set the exact irrigation specs he needs given the weather and field conditions, and it also allows him to carefully manage water levels to help improve soil microbiology.

"We're very interested in soil microbiology. It's a real focus for us at the Yarra Valley vineyard in particular," Rob says.

"When you run a vineyard you're using bacteria, fungi and protozoa to consume each other and create changes in the soil to fertilise the vines. As part of our operation we try and make a fungal dominated compost that replicates the conditions where vines would naturally grow in a forest. We are basically trying to create a fungal soil without the trees. Those roots of the vines then trade nutrients and carbohydrates with the organisms to grow healthier and make better wine.

"There are a couple of things that those organisms like when they are living in the soil: air and water. So we have machines and systems that try and reduce compaction in the soil to maximise air and then we use irrigation to keep those organisms active in the soil for longer."

It's quite a dynamic phase in the Yarra Valley, and Rob is enthusiastic about the future.

"De Bortoli is currently redeveloping many of its vineyard sites across the Yarra Valley. For me as a viticulturalist it's a really



exciting period, as we implement changes to deliver better results," he says.

One of those changes is the incorporation of the Davey Monsoon IQ system with an existing pump set on their 150-acre Abbey Vineyard.

"This Davey pump controller upgrade is perfect to manage the water demands of new and old vineyards simultaneously," Rob says.

"It allows us to experiment with new row configurations that increase the kilometres of vine row per hectare by 60%."

The Davey Monsoon IQ adapts to the increased irrigation demand seamlessly adjusting pressure and flow rates for each irrigation station and therefore optimising energy consumption.



The controller uses a modem connection to communicate to the cloud, where data is stored for easy access from any device by logging into Davey's customer portal my.daveywater.com

"Knowing we get feedback from the system helps me sleep better at night, because I know if something goes wrong, then I can fix it and prevent crop damage from happening," Rob says.

For more information about the Davey Monsoon IQ talk to your local Davey Territory Manager or contact **Hem Prakash | Commercial Business Manager** hprakash@davey.com.au | 0408 374 056

Think Water Melbourne Project of the Year 2018

Metropolitan Golf Irrigation Upgrade

Chris Logan and the team at Think Water Melbourne are leaders in golf course irrigation systems and installation, having completed numerous golf irrigation projects over the years.

Their signature project in 2018 was the upgrade of the irrigation system for the Metropolitan Golf Club, one of Australia's prestigious golf courses. In late November 2018 Metropolitan hosted the World Cup of Golf, a major international tournament, so there was plenty of pressure to get the project done in a tight time frame.

The \$1.8m project consisted of 18 holes, practice fairways and practise greens, and 2 Grundfos pump stations. Rain Bird supplied their control system and sprinkler heads, plus the Rain Bird pump controller linked to the Rain Bird Golf Control System.

A key to the projects' success was Chris' team having excellent communication with the client. The installation aspects of this exceptionally technical job included

challenges with buried asbestos and galvanised pipes which were not located on any plans.



Another technical requirement was the integration of the Rain Bird computer management system, which involved a complex PLC system incorporating management of a desal system, 4 bores and other water sources, including lake water and town water supply.

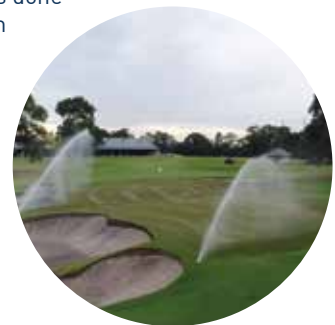
The system required shandying the bore water with lake water, so that the Metropolitan had less reliance on expensive potable water. Other components of the system included a fertigation and chemical injection delivery and control. Dual mains on all holes irrigated to the course greens.

Installation was completed using both sub-contractors and Think Water Melbourne's field staff.

This project was the clear winner for the 2018 Think Water Project of the year award and demonstrated a high level of excellence across the project

management criteria as judged by Phil Chegwiddden.

This project was completed on time and within budget for the client and was profitable for Think Water Melbourne. According to David Mason, Course Superintendent, "It was probably above my expectations. When the install goes smoothly and is done well the system will do us for a long time. In 30 years if we were looking to do this again, I'd be sure to look up Think Water because they have been fantastic."



There are some great projects being completed by Members, why not enter one of yours for the 2019 Project of the Year Award? We will be sending out the entry forms shortly, and the award will be presented at the National Conference in Perth.

thinkwater.
MELBOURNE

SCAN QR CODE
TO WATCH
METROPOLITAN
GOLF VIDEO



upgrade your garden with

REEFE

PUMPS



- FEATURE PUMPS • SOLAR PUMPS
- WATERFALL PUMPS • FILTER PUMPS
- POND PUMPS • LOW VOLTAGE PUMPS

PONDS & EQUIPMENT



- FORMAL PONDS • INFORMAL PONDS
- CASCADE PONDS • NESTING POLY PONDS
- GRATES • POND LINER • NOZZLES • LIGHTS

POND HEALTH



- POND FILTERS • CLARIFIERS • VACUUMS
- TREATMENTS • POND COVER NETS
- AQUATIC PLANTING BASKETS

Pedestrian Foot Bridge & Gardens - Perth Stadium

Think Water Perth Project

Project Cost: \$162k

PROJECT SCOPE

The tender was put out by the WA Government, and the main scope of the project was installing a mains water supply line and solenoid control cable through a service access area within the bridge. It involved installing 8 inverted taps and QCV's (quick coupling valves) along the 700 metres as Wash Down Access Points for the bridge and finally, install an automated irrigation system to the two large planter boxes at either end of the bridge.

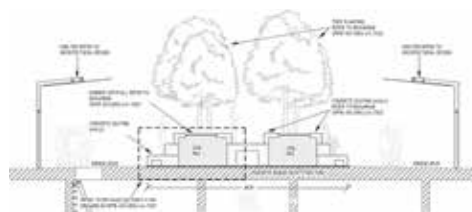


CHALLENGES

There were several challenges in completing this project, firstly, the water supply came from the Perth stadium side and specified as DN50 Schedule 40 galvanised pipe with victaulic couplings to connect every six metres under the bridge. However due to the size of the service access point and due to practicality, we could only install in 3m lengths. The second challenge was other existing pipelines and the bridge's steel construction, meaning we had to install over 70 pipe loops over a distance of 360m using DN50 Schedule 40 galvanised pipe with a number of penetrations through the bridge for the irrigation and QCV. The installation of this part was undertaken by a licensed plumber who was subcontracted (as per the requirements from the specifications) and took over 3 weeks to install the water supply line.

The other challenge was that the controller cable for the solenoid valves was specified to be installed in a 25mm HD conduit along existing cable tray under the bridge with other existing services. Think Water Perth had to install a two-wire cable for the irrigation solenoid valves within the bridge for the planter boxes from an existing irrigation controller (installed by us in Stage 1) on the opposite side of the bridge to the water mains. This represented further challenges similar to those faced installing the water line – the limited space and existing services within bridge service access areas. The team had to set up the two-wire cable on a roller system above bridge service area, feeding the cable through the service access point while pulling the cable through the 25mm HD conduit (4m lengths) and expansion loops (25mm flexi conduit). The complete installation of the 400 metres of two-wire cable took two people over 3 days.

The large planter enclosures were approximately 17m long x 8m wide and 1.4 metres deep. These were specified to be PVC pipe however, installing the PVC pipework before the installation of the soil and trees was not ideal. Our main concern with using PVC pipe were potential breakages occurring during landscaping, so we ended up installing SDR13.6 PE100 metric poly pipe with



tapping saddles and 2, of Ezy tube for each sprinkler. Hunter 4" Pro bodies were installed using spray heads and bubblers to emit the water directly to the plant base.



Whilst this wasn't a large project, it threw up plenty of challenges in designing a solution really made the Think Water Perth team think outside the box. With the knowledge and experience that the Perth team have within their business they were able to not only provide what is considered the best design at a competitive price but a solution that provides flexibility and long term benefits. Think Water Perth now also do the regular servicing and maintenance on this site.

thinkwater.
PERTH



A MICRO-SPRINKLER **LIKE NO OTHER**

INTRODUCING THE NEW S7 SPINNER

CALL FOR MORE INFO: 1300 856 368



1.0-3.4 BAR
20-285 LPH
2.4-4.9 M RAD.

FLOW CONTROL
OPTIONS & UNIQUE
QUICK-CONNECT
QUICK-CLEAN
FEATURES



NELSON IRRIGATION'S INNOVATIONS ARE TARGETED TO COMBAT RISING ENERGY AND LABOUR COSTS.

- Nelson's Quick Clean (QC) technology reduces irrigator hours — simply turn, flush and reconnect.
- Flow control nozzles are flow regulating at 1 bar.
- Insect protection helps prevent plugging or stalling.
- Modular design allows quick and easy nozzle exchange.
- Optional tree starter (break off) deflector tabs offer flexibility.
- Optional PVC Stakes prevent tubing damage from vermin.

THE S7 — A MICRO-SPRINKLER WITH A NEW LEVEL OF **QUALITY, RELIABILITY AND DURABILITY**

Think Water Staff Win Top Training Award



Kane Watts of Think Water Smithton, along with Gareth Whittington and James Lourie of Think Water Canterbury have achieved a significant milestone after being awarded Reinke's top international training award – Platinum PLUS (Proven Leaders in Unmatched Service) Certified Technician. The award is the most elite technical service designation awarded by Reinke.

"Being recognized as a Platinum PLUS Certified Technician is a remarkable accomplishment," said Mark Mesloh, vice president of North American sales, Reinke.

Kane, Gareth and James have completed the most extensive technical service training available to Reinke dealers and are to be commended for their hard work."



GARETH WHITTINGTON AND
JAMES LOURIE OF THINK
WATER CANTEBURY

The Platinum PLUS Certified Technician Program consists of a series of six technical service training classes and tests. The Think Water technicians received the Platinum PLUS award by scoring more than 90 percent on all six tests.

"We understand how important qualified service technicians are to growers when they make their buying decisions," added Mesloh. "That's the focus of our technical service programs, to consistently build on the level of service capabilities of Reinke dealers across the country and further our commitment to the industry."

Through gaining this qualification the technicians have brought valuable skills to Think Water, increasing the value we can offer to our customers. They are able to undertake skilled diagnostic testing of faulty equipment and make repairs efficiently.

These awards show the dedication of the Think Water Smithton and Canterbury teams to staff training and customer satisfaction and will help to build great Reinke pivot businesses in Northern Tasmania and Canterbury in New Zealand.



CONRAD ODGERS THINK WATER SMITHTON



ABOUT REINKE

Reinke Manufacturing Co., Inc. is the world's largest privately held manufacturer of center pivot and lateral move irrigation systems. Family owned since 1954, and headquartered in Deshler, Neb., USA, Reinke develops products designed to increase agriculture production while providing labor savings and environmental efficiencies. Reinke is a continued leader in industry advancements as the first to incorporate GPS, satellite-based communications and touchscreen panel capabilities into mechanized irrigation system management. For more information on Reinke or to locate a dealership, visit www.reinke.com or call **402-365-7251**.



KANE WATTS OF THINK WATER SMITHTON

We have the experience...



Gary
30yrs

Darby
7yrs

Graeme
39yrs

Daniel
28yrs

Martin
8yrs

Jason
10yrs

...and the range.



Proudly supporting Think Water nationally with

Clic Brackets | PVC Pipe Fittings 15-300mm | Spears Sch. 80 PVC & CPVC | Valves | Spears Cement & Primer | Europress Press-fit
Elysee Fitting & Saddles | Electro Fusion Fittings | PE Pipe | Floodwash Systems | Tapping Bands | BSP Fittings

Working together to make your piping projects easy.

Water Tanks From 1,000 to 363,000 Litres

In recent times Australia has experienced both severe droughts and large floods. It appears the volatility of rainfall patterns have increased significantly, making the use and selection of water tanks all the more critical. Depending on the circumstances and applications, whether you need a 1,000 litre tank or a 363,000 litre tank, will be determined by the volume of water you need to store coupled with the amount of rainfall that can be caught. For example, a tank on a small garage may only need a 1,000 litre tank whereas a large stormwater project may require 363,000 litres.

The decision around tank size needs to be well thought through to ensure the right tank is selected. Bushmans in



conjunction with your local Think Water store can walk you through the process so you select the right tank.

Bushman Tanks as Australia's leading specialist tank manufacturer make a range of Poly and Steel Liner tanks that can be used in a wide range of applications. The decision whether a Poly tank or a Steel Liner tank is used will

depend on the amount of water storage required, the planned location of the tank and space available, the level of water security required (for example one large tank or 2 smaller tanks set apart) and the preference of poly or steel.

Over the past 30 years Bushmans have been designing and manufacturing water tanks to the highest standards to meet the needs of Australian house holders, farmers and commercial businesses. Over this time Bushmans have continued to develop its products so they stand the test of time in Australia's tough environmental conditions.

For more information on Bushman tanks go to www.bushmantanks.com.au or contact your local Think Water store.



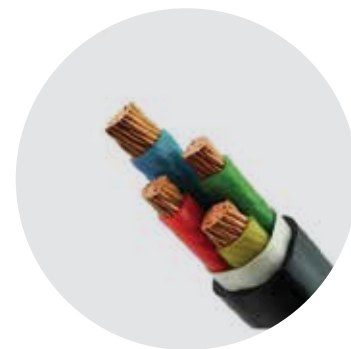
AUSTRALIAN PREFERRED SUPPLIER

RV-K Powerflex Cables



Cables are not Cables.. so what makes ours so different?

- Same factory used for over 10 years – you will always receive the same brand of cable
- Easy to strip
- Smoother outer sheath for easier installation
- Smaller OD for easier installation
- UV resistant – suitable for solar pumps
- Direct bury
- Cable is metre marked
- Cable is manufactured in Spain
- Installers who use the cable are always highly complementary of the cable -and always request this particular brand
- We keep a large warehousing in Brisbane – between 5,000-10,000m on sizes at any given time.



For further information call Power Flex Cables – speak to Sylvia or Chris or one of our friendly staff – 07 38566182 or visit our website and download our catalogue – www.powerflexcables.com.au

PFC
POWER FLEX CABLES

Think Water Online Training Academy



The new and unique online training platform was launched in August last year at our National Conference in Fiji. The initial aim of the training was twofold. Our first goal was to offer our staff a massive library of training courses that was accessible to all our stores, no matter how remote they are. Secondly to help our Members and their staff ensure that they were meeting their legal obligations around compliance in areas such as Consumer laws, WHS, Bribery and Corruption. In potential legal cases, as business owners you need to have in place a proper, relevant and recordable way of training yourself and your employees to prove that you are meeting your obligations. Its great to see that Members and their staff are seeing the value in this and have embraced this area of the training.



There are 17 current Think Water-specific Awards. Awards are made up of individual courses and an Award may include between 1-15 courses designed to 'round off' the focused training. The participation rate has been high with nearly 370 active users and close to 2500 courses completed and passed with a further 787 courses underway or in progress.

The Online Training Academy now has well over six thousand courses available to all Think Water employees aimed at improving their training and knowledge. These include but are not limited to training in areas on Sales Skills, Project Management, Business skills and Finance. We are also seeing Members and their employees

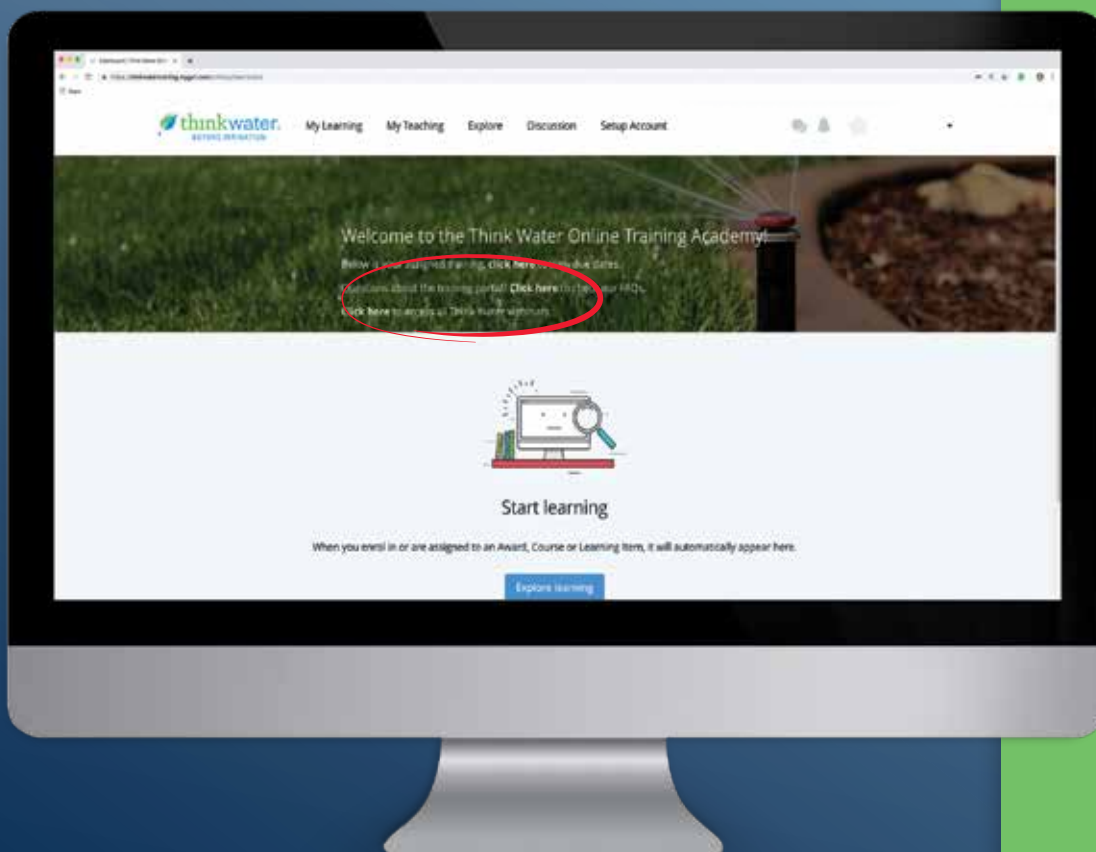
completing courses in Manual Handling, Excel, Working in Confined Spaces, Driver Safety and more.

Plus, we now have a link to all of our recorded webinars on the Online Training site which means we will have most of our training in the one place.

With feedback, we are now identifying which new courses our Members and their teams should be enrolled in for the next financial year, so if you have any feedback please feel free to pass it on to any of the Think Water team.

Upcoming Training Courses

- Safe / Defensive Driving
- Electrical Risks
- Hazardous Chemicals & Confined Space
- Confined Space
- Budgeting
- Manual Handling
- Safety in Warehouses





Think Water Store Management Software Released

H2Go is the new store management software Think Water has had developed. Trials are now completed and it is available to all Think Water stores. We have successfully installed H2Go in three stores with another two in progress, with another dozen stores investigating



installing the H2Go software in their own businesses. Northern Rivers and Whitsundays store owners Lee Rothwell and Noel Gardner have been using the software for approximately 6 months. Their experiences and feedback have been invaluable in developing H2Go into the product it is today.

If you are frustrated with your business leaking profits then now is a great time to review your business needs and your software package. Think Water have worked with our software designers to produce a custom built generic Think Water store template and software training system, which is FREE to all Think Water members. This has slashed the initial cost and time investment of finding, developing and installing new software.

Think Water offer the H2Go template which includes a product categories, charter of accounts, training manuals and more at no cost to Think Water stores.



Several installation options are offered that vary your involvement in the software set up that can reduce the installation cost even further. The store is left with only the host software license fee and any time required by our developers and their support team.

For more information about the software please talk to the Think Water head office team. Alternatively, Lee and Noel from our pilot stores would be happy to have a chat about their experiences.

Why H2Go ?

- Great functionality for POS
- It has a powerful business reporting platform
- The ability to manage inventory in a number of locations including service vehicles and projects
- Is able to provide you with real time inventory control with predictive ordering
- Has in-depth Project Management functionality from quoting to install across all stages
- Offers an App to help schedule service technicians and their daily timelines while in remote locations
- Exclusive to Think Water Members daily timelines while in remote locations



Trail Blazers in Water Harvesting Innovation



Heritage Water Tanks is one of Australia's largest manufacturers of quality steel-liner water tanks in Australia, offering tanks with an Industry leading 1mm wall profile and heavy-duty Industrial grade liner. Tanks range in size from 17,000L to 375,000L.

In recent years, water storage and water security has been front of mind for many people in Australia, with more and more experiencing some of the worst drought conditions in history. A commonly held assumption in Australia, is that rainwater tanks don't provide significant water savings during drought, however, research has showed that yields from rainwater tanks are more resilient to droughts and climate change, than runoff into dams supplying communities with water. Less water is also lost to evaporation using a closed tank system.

Rainwater tanks have the potential to provide additional water supply to help supplement water collected via dams and other sources during droughts. Rainwater tanks also supply water during wetter periods, thereby offsetting water demands from other sources during more plentiful years and allowing greater carryover storage of water in dams for use in droughts. This has the potential to improve overall reliability and to help drought proof your water supply.

Heritage Water Tanks is a leader in innovation in water tank technology

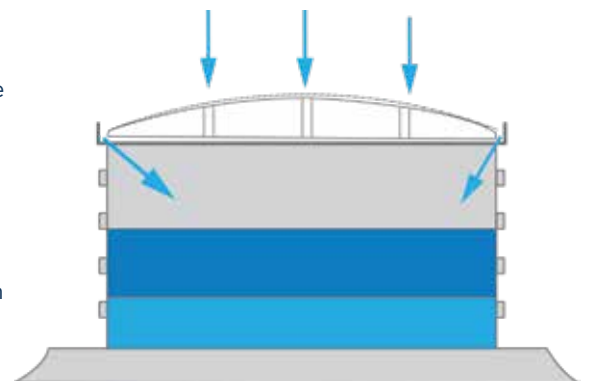


and has also developed a revolutionary patented water collecting Gutter System, which enables customers to collect additional water each year from the roof of their rainwater tank.

The Gutter System has increased the capacity of numerous customers, enabling them to harvest additional water each year for their homes, irrigation, water for stock, fire storage water, spray water on farms and in Commercial operations.

Heritage Water Tanks Company Director, Murray Tognela said that the Company was committed to offering the community access to high quality water storage and distribution systems for the Irrigation and Agricultural Industries in Australia. "We understand the importance of having secure and reliable access to water and

are very proud to be in a position to be able to offer high quality products and services to the local community." He said.



THE FIRST IRRIGATION SYSTEM WITH A BRAIN

NetBeat™ - the first irrigation system with a brain, automatically combines real time crop, soil and weather data with over 50 years of Dynamic Crop Models™, fully optimizing your irrigation, nutrition and crop protection while minimizing water usage and giving growers greater peace of mind.

NetBeat™

NETAFIM™

New Product Introduction – NetBeat™

NetBeat™ is here in Australia and New Zealand and Netafim are excited to make this product available to enable growers to take advantage of the many benefits.

NetBeat is a revolutionary platform that helps growers optimise yields while saving money. NetBeat is the only Irrigation and Fertigation Management Control System that combines monitoring, analysis and control in real time.

The cloud technology allows third-party data integration to enable all your data sources to come together and provide a total overview of the performance of your irrigated crop.

This is an open platform, ready to integrate any sensor

for soil or crop and other data from external sources.

NetBeat allows remote access, user support and system updates combining all relevant data inputs.

Enabling the grower real-time access to monitoring, analysis and control in one closed-loop platform. All this delivered to you via a simple and intuitive, customer-centric interface in the palm of your hand.



Optimise your crops potential, with suggested daily strategies.

From corporate farms to small holders, NetBeat™ has a solution to fit the needs, budget and skills of all farmers. It is modular so you can upgrade as you grow.

The result is a whole new level of precision irrigation enabling a profitable and predictable business for growers.





WATERGARDENING TO THE MAX

A NAME WORTH REMEMBERING.

PUMPS · LAKE AERATION · FILTRATION · TREATMENTS · PONDS · LINER

CHECK OUT OUR **NEW**
PONDMAX SOLAR PUMP
AND BATTERY BACKUP BOX



www.aquatecequipment.com

AUSTRALIAN PREFERRED SUPPLIER

GROW WITH TORO

What your growers pick now
determines what they pick later...

From row crops to orchards and everything in between,
Toro has a range of products to suit your grower's irrigation needs.



NEPTUNE®

Australian made heavy wall
drip tube



AQUA-TRAXX® PBX

Delivering superior uniformity
and clog resistance



WATERBIRD®

Mini sprinklers designed and
manufactured in Australia



Thinking of Renovating? Design for Success!

As retailers, we are always searching for new ways and creating different strategies to draw in new business through our doors, let alone to try and increase the amount of dollars our existing customers spend with us. There are a lot of elements that get factored into this such as good customer service, marketing and knowledge. Yet there is a simpler and reasonably affordable way to address both of those challenges that should be the first stage of your journey to increasing market share in your region.

Data and studies have shown that there is no better way to increase customer spend per square metre than to make your showroom into a place where customers feel informed and engaged, physically comfortable and relaxed. It's vital we give ourselves as small business owners the best opportunity to grow by maximising opportunities with our customers when they are in our shops. The first major part of the solution is to ensure we provide an inviting environment for them so they are spending more time in a relaxed 'purchasing' frame of mind.



Whilst there is an investment to be made in a shop refit, or fitting out new premises, Members that have gone through this process in the recent past will testify to the difference it has made to their business nearly immediately. Increased customers, increased dollars spent whilst in store and seeing old faces they haven't seen for quite a while. Last year's winners for Store Renovation of the Year, Whitsundays and New Plymouth said:

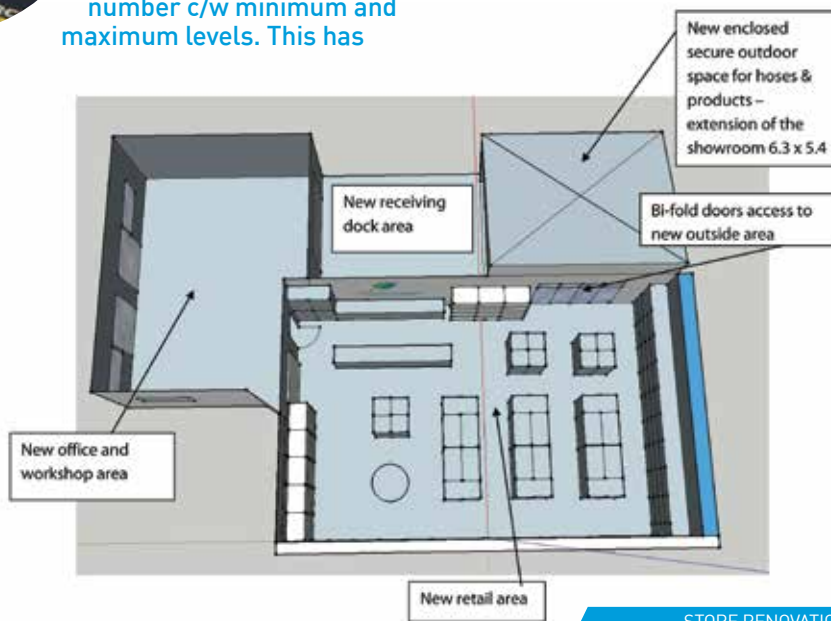
Our initial trepidation and fears about investing into this expense have been well worth the risk, customers are happy and willing to stay in our shops for longer. We have also invested in new shelving and parts bins, with our parts now labelled. Labels are on every bin with the code, description, barcode, shelf number c/w minimum and maximum levels. This has

been a huge help in finding stock and keeping an eye on inventory levels and increasing our profitability".



In the past 12 months we have had multiple Members go through a re-design and new floor plan process as was highlighted at last year's national Conference. Think Water will work with you and

Visual Edge Designs during the process. Designer Lisa Christie, who has over 20 years experience, has worked successfully with the group for a number of years and for a small fee she will design you a modern and practical floor plan complete with a comprehensive report. The report explains in depth the overall design department locations, product placement, shelving, counter location and hot spots. If you are interested or you feel your business is looking tired and needs a makeover, then contact us and we will walk with you through the process.





Water Tanks and Diesel Storage Solutions for Australian Conditions

Kingspan Rhino tanks



Kingspan Rhino rural water tanks are built tough with ZINCALUME® steel or in the full range of genuine COLORBOND® colours. Tanks range from 26,000L to 365,000L and have a reinforced food grade 5-layer polyethylene liner to keep water fresh.

Kingspan made to measure Aquaplate® tanks



Kingspan made to measure Aquaplate® tanks use a food-grade polymer-coated steel specifically designed for water tanks. Designed to fit perfectly into any space, they come in 4 different shapes with capacities ranging from 560L to 29,000L.

Kingspan TruckMaster® range



The TruckMaster range is designed for the safe storage and dispensing of diesel fuel. Available in capacities from 200L to 900L. With multiple specification and dispensing options, the TruckMaster range offers a quality, cost saving and compliant solution.

Look out for our '**Monthly Tank Tips**' eNewsletter, featuring useful tips on our range.

Contact a Kingspan expert today:

VIC & QLD	Ron James	ron.james@kingspan.com
WA	Bruce Reidy-Crofts	bruce.reidy@kingspan.com
NSW	Andrew Stewart	andrew.stuart@kingspan.com

kingspan.com.au/rhino | 1800 632 410



Moo-ving on with a new Dairy Shed following Quake

In late 2016, a magnitude 7.8 earthquake hit just outside the town of Waiiau, Canterbury, New Zealand, causing massive ruptures and damage to a 330-hectare dairy farm with 950 milking cows.

Rather than looking at the catastrophic earthquake and the damage as a complete disaster, the farm owners decided to realise an opportunity to improve on their operation, in terms of hydraulic design, energy efficiency and ability to carry out service and maintenance works easily and with minimal disruption.

They approached the team at Think Water Canterbury, who designed a system with multiple Grundfos pumps, after an in-depth discussion of their needs. The system was designed with hydraulic efficiency in mind and laid out in such a way that maintenance and servicing could



be carried out by one person, without disruption to the water supply for the dairy cows.

To ensure a safe and reliable stock-watering system, Think Water Canterbury firstly installed an efficient Grundfos SP17-16 (9.2 kW) submersible borehole pump. All steel components are made in stainless steel and carry drinking water approvals. The submersible pump provides potable water to the dairy shed, which is then delivered out to stock-watering troughs by a twin pump system made up of 2 x Grundfos CR10-6 vertical multistage pumps. The twin pump system also provides water to the residential home on the property.

The stock water is dosed with minerals via a compact Grundfos DME60-AR

dosing pump, with integrated variable speed motor drive.

In addition to the stock-watering requirements, they also installed a Grundfos CM10-3 horizontal multistage pump as a plate cooler pump to cool milk, and a heavy duty dairy washdown pump (Grundfos DB11P).

The system has been operating trouble-free since the installation, and the owners and Farm Manager are very satisfied with the system.

 **thinkwater**
CANTERBURY



GRUNDFOS 

We took the time to interview Andre Buchner - Director of Trans Tank International, to ask him how rotomoulding has progressed since establishing the company in 1999. Here's what he said in regard to TTI's experience in rotomoulding.



Andre Buchner, Director
Trans Tank® International (TTI)



TTI's BEGINNINGS:

"TTI first started moulding tanks nearly 20 years ago with one small rock-and-roll oven. Today there is an additional large oven and both ovens run for two full shifts, five days a week. A suitable third oven is currently being sourced which will further enhance the production capacity and reduce turnaround times."

"It isn't difficult to remember the days, not so long ago, when the first image that came into our minds when we heard the word 'plastic' was 'junk, cheap, rubbish and so on'. This certainly was true of plastics in the 70's and 80's. However, with the advances in poly technology, the opposite is now true, where, in many situations, plastic is often the preferred material over steel, concrete and fibreglass."

MOULDING PROCESS:

"During the moulding process, the correct amount of powder is loaded into a mould. The mould is then placed within the oven and subjected to heat while it rotates slowly. The polyethylene sticks to the inside of the mould and becomes completely melted – like honey. When it has reached the 'Peak Internal Temperature', the product is then cooled in a controlled manner, removed from the mould and trimmed."

QUALITY CONTROL:

He states how TTI prides themselves on quality and care, explaining, "The DNA of every product moulded at TTI is recorded. This is good practise and is what one would expect from a company which is continually striving for excellence."

Tremendous care is involved in the whole process of sourcing, moulding, handling, assembling and despatching the extensive range of products manufactured. The confidence that TTI have in their products is reflected in the exceptional warranty offered."

INNOVATION:

"A team of engineers at TTI are constantly developing new products and refining existing products to reflect the 'innovative approach' which is one of the company's core values. This includes new tooling and improved processes resulting in quicker cook times and a smaller carbon footprint. TTI has a solar power system sufficient to run the entire plant."

"The Team at TTI are laser focussed on producing the largest range of quality, transportable tanks on the market. This is where the human element is so important. The shape of the TTI tanks has been engineered to minimise the internal stress load on the tank walls. Achieving an acceptable, minimum wall thickness in critical areas through correct rotation techniques and ensuring neither over-cooking or under-cooking is essential."

www.tti.com.au 1800 816 277





Philmac Great Gone Fishin' Getaway

Think Water joined forces with Philmac, Vinidex and Rodney Industries to run a promotion over the spring and summer of 2017/18, "THE GREAT GONE FISHIN' GETAWAY".

The winner was Leigh Coleman, a Fruit grower from Swan Hill. Leigh saw the competition display set up in the Think Water Swan Hill store and thought he would try his luck, purchasing several Philmac products and entering the draw. It was a huge surprise to him to win as he said "I never win anything".

Leigh had the choice of a Barramundi fishing trip to Darwin or Trout fishing in New Zealand and chose the 3-Day fishing trip to New Zealand. He had



already agreed to take his father in law Bruno, also a fruit grower, if he won. The prize also allowed for a Think Water Swan Hill team member and the Philmac representative to accompany the lucky winners.

The four were originally slotted to go in May 2018 but only days from departure Leigh broke his leg, which threw a spanner in the works. However his luck didn't run out as the trip was postponed until October.

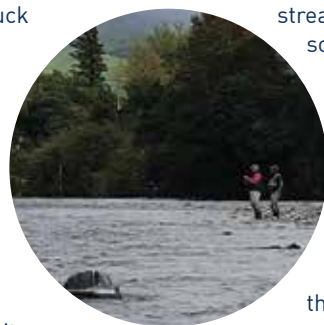
Leigh, Bruno, Mark Fletcher from Think Water Swan Hill and Tim Hancock from Philmac flew to NZ for a day charter boat fishing on Lake Taupo and a day fly-fishing in the rivers around the lake.

The boat trip gave them the opportunity to see some of the best NZ has to offer

with tremendous views on and around the lake. The fishing was great, and they hand fed ducks in flight off the deck of the boat and even tried their hands at skeet shooting – luckily the ducks had left when the shotgun came out!

The fly fishing took on a competitive edge, with the group splitting into two teams. Leigh and Bruno went deep into thick scrub and trekked to remote waterways without any luck – not a single fish. Mark and Tim were blessed with some well-populated streams; it did take

some time to get the hang of it with Mark catching the backside of his pants and Tim giving himself an ear piercing.



Lake Taupo is the largest natural occurring lake in the Southern Hemisphere. The

luckless trout were taken to the local restaurant and their tour guide kindly arranged for the chef to cook them up six different ways. Partying well into the night, they say they gave the locals quite an insight into fly fishing.

It was a very exciting trip and Leigh wanted me to pass on a huge THANK YOU to all involved for making this trip as enjoyable as it was.



The connection you can trust.



PLASSON.

BEST UNDER PRESSURE

Water is precious.

When leaking fittings are wasting valuable water and costing you money, you need a name you can rely on to supply your polyethylene pipe fittings.

Plasson fittings have more than 40 years of successful use in the tough Australian conditions.

Plasson's unique design features ensure that joints can be made and reused, even in the most demanding installation environments.



P: 1300 PLASSON (752 776) | E: sales@plasson.com.au

www.plasson.com.au

Think Water Welcomes New Independent Water Group Shareholders

Over the past few months we have had a several Think Water store owners purchase shares from past owners. We would like to welcome our newest shareholders:

1. STEVE AND ANGELA BEVAN | THINK WATER NEW PLYMOUTH
2. CONRAD ODGERS | THINK WATER SMITHTON
& THINK WATER CRADLE COAST
3. GRANT COLLIAR | THINK WATER TIMARU
4. DONNA DAVEY | THINK WATER DURAL
5. TOM VICKERS | THINK WATER KUNUNURRA



Case Study: Eliminating Sludge from a Centre Pivot Irrigator

SCOPE: The project required removal of iron bacteria and sludge from the pump and pipework of a centre pivot irrigation system. This would ensure constant clear water flow and ultimately, a healthy agricultural environment. Treatment was underpinned by Envirobore, from Envirofluid's Triple 7 range. Envirobore is a biodegradable, liquid cleaning agent that services bores, tanks, filters and pipework. It prevents bacteria, controls scum, improves efficiency and protects against corrosion.

CHALLENGES: It was essential to not only remove the existing iron bacteria and sludge, but to implement a low-maintenance program that would work on an ongoing basis, preventing future build-ups without damaging flora and fauna.

BIGGEST WIN: Envirobore is eco-friendly and biodegradable – it will cause no harm to stock, waterways, soils, grasses or plants, when used per direction. Moreover, it acts as a wetting agent,

meaning dosing can occur concurrently with irrigating; thus, no water is wasted by rinsing the pipework. Another bonus: the maintenance program only needs checking once every few months, to ensure the lines have sufficient chemistry to continue with dosing.

TESTIMONIAL: To achieve clear water flow, the irrigator was dosed with 20 litres of Envirobore over a 20-hour period, three times over three weeks. After the first three weeks of dosing, the iron bacteria sludge that lined the pipework had accumulated, ready for flushing. It was easily discharged, the end cap was refitted, and clear water effectively flowed from that point onwards. The same dosing now occurs once-per-month, which has eliminated the costs – both financial and otherwise – associated with dismantling, cleaning and servicing equipment.



CLAYTON ENGINEERING



CLEAN EQUIPMENT IN COMFORT – EASY!

Experience the new dimension of ergonomics in high-pressure cleaning: with the EASY!Force trigger gun, you need zero holding force and can clean effortlessly for longer.

- Transfers workload from smaller muscle groups such as hands and fingers to larger muscle groups such as upper arm and shoulder.
- Eliminates risk of repetitive strain injury (RSI) due to prolonged pressure washer use with a standard trigger gun.
- EASY!Force trigger gun is compatible with all Kärcher Professional pressure washers.



Green areas in above graphic indicate all muscles that are under less stress due to the EASY! trigger gun whilst highlighting the zero effort required from the fingers.

KÄRCHER

makes a difference

CLEANING IS ALWAYS IN SEASON!

Contact Bernie from Kärcher for dealer support.

Email: Bernard.Keegan@au.karcher.com



Store Profile: West Coast

Colin Thomas has been an enthusiastic member of the Think Water New Zealand team and is serving his fourth year on the Think Water New Zealand board. Moving his Think Water store into a main street location in Greymouth has taken his business to new levels.

HOW LONG HAVE YOU BEEN IN THE GROUP?

We joined the group in 2011

HOW LONG HAVE YOU BEEN IN THE IRRIGATION INDUSTRY?

Since 2007

WHAT IS YOUR PRIMARY MARKET?

Farming, Tourism, mining involving filtration, pumping, irrigation, water blasters, pools and spas.

REASON FOR JOINING THE GROUP:

Expansion into new areas, working within the industry with likeminded people.

BIGGEST CHALLENGE:

Moving the business to a new location and "restarting again".

BIGGEST WIN:

The design, supply and installation of 6 pivots, 20 km of pipe and 200 irrigation pods.

FAVORITE PRODUCT:

Karcher

MOST INTERESTING PROJECT?

We containerized a full filtration and pumping system for a new camping ground.

PLANS FOR THE FUTURE:

Continued growth into the service side of the business.



THINK WATER WEST COAST

Colin Thomas

P: 03 768 6993

E: colin.thomas@thinkwater.co.nz

W: www.thinkwater.co.nz



HD50 SOLAR PUMP SUPPLIES WATER IN REMOTE LOCATIONS



Orange Pumps has designed and developed a cost effective solar pump for supplying water in remote locations. Located near Shepparton in Victoria a creek flows through a farm removed from mains electricity. The cost to connect electricity to power a pump in such an isolated location was considered too expensive. A petrol engine driven pump could have worked but the high maintenance required to regularly fill the petrol tank was too demanding. A solar submersible pump might have worked but the water level of the creek changes substantially from winter to summer making installation difficult. During the winter rains the high force of flowing water makes stabilising a submersible pump precarious.

The HD50 solar pump was installed to find a solution to these challenges. It is located 20 metres from the creek, away from the flood area with a single suction line embedded below the low water point. There is 4 metre suction lift to ensure the pump is at distance to the high water level. Water is pumped to a storage tank 1 kilometre away where gravity is used to drip irrigate some fruit trees.

The HD50 has a brushless DC motor which eliminates the need for an electronic inverter thereby reducing cost, increasing efficiency and making the system more robust. A variable speed motor enables the pump to speed up when sunlight is strong and deliver more water. An inbuilt flow valve and circuitry automatically turns the pump on and off.

The HD50 solar pump package is currently being promoted in Think Water Stores. Please visit us for more information and special offers.



HD50 Installations from around Australia



Shepparton Victoria



Cowra NSW



Wangaratta Victoria

Stores Supporting Their Local Communities

Being an active part of their communities is a priority for each of our stores. We would like to showcase the charities and sports events that some of our stores participate in.

THINK WATER ALBANY

Sponsors the Lower Great Southern Hockey Association and is represented at their local events. Store owner Rod is a strong supporter of local sports.



THINK WATER SWAN HILL

Sponsor a variety of charities including Quambatook Tractor Pull Championships, Cystic Fibrosis Community Care, Lions Club, Lake Boga Football Netball Club among others. This is the Variety Club Car that the store sponsors.



THINK WATER WEST COAST

Sponsor the Greymouth Golf Club, The West Coast Rugby Union and the Think Water West Coast Fire Fighter Combat Challenge (which is their main sponsorship).



THINK WATER MAREEBA

Sponsor a variety of charities including:

- Special Children's Christmas Party
- Mareeba Gymnastics
- McDonald's Great Wheelbarrow Race 2018
- Cape York and Tablelands ASH Challenge



ONGA FARMMASTER

SHALLOW & DEEP WELL PUMPS

SUPPLYING WATER TO AUSTRALIAN FARMERS SINCE 1967.

Onga's FarmMaster range of pumps have evolved with the needs of Australian farmers and land owners since Onga's beginning in 1967. They have benefited from over 50 years of outstanding pump engineering.

The FarmMaster Range offers precision engineered internals with coated cast iron construction for high performance, lower running costs and increased strength and longevity.

Available in both shallow and deep well configurations - FarmMaster pumps are built tough to last in the most demanding conditions.



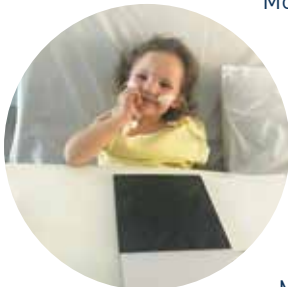


Molly's Journey

In August 2018 our four year old daughter Molly, was diagnosed with a congenital heart condition known as Coarctation of the Aorta, along with a leak in her valve. Molly's aorta was 3mm instead of 10mm which required corrective surgery. The operation involved her aorta being clamped either side of the narrowing, cut, then re-joined. This was complicated due to her heart developing blood vessels around the aorta to compensate for it not working.



We had to travel 2400km from Broome to Perth for the operation. Molly's wonderful Paediatric Cardiology Team at Perth Children's Hospital not only performed the surgery, but also assisted by arranging our flight to Perth. Once in Perth, our Broome family of four were relocated to Ronald McDonald House where we took up residence.



The week before Molly's operation was the most frightening time for all of us. We had to reassure Molly that everything was going to be a breeze, whilst being scared and nervous ourselves.

The staff at Ronald McDonald House were there to support us all as a family from fun activities for Molly to pre-op counselling. They provided us with free accommodation and meals, prepared by awesome volunteers. We truly would have been lost without their support.

Molly's operation for the aorta narrowing has been successful, however it hasn't stopped the valve from leaking; in fact, it has gotten slightly worse meaning Molly has to be monitored every 6 months.

In gratitude to Ronald McDonald House and to help raise money for their cause, we, along with our daughters, Ruth and Chelsea, will conquer the Central Park Plunge Challenge – Australia's tallest urban charity abseil.

Our team 'Think Water Broome – Molly's Mob' will abseil 220m, 52 stories down Central Park tower in Perth on September 13th. Our goal is to raise \$7,000.

Please help us make a difference by giving whatever you can to our cause, every dollar makes a difference. Donations can be made on the following link - <https://cpp19-rmhp.everydayhero.com/au/patrick>

Thanks in advance for your generosity, it means a lot.

Patrick & Vanessa Annesley

 **thinkwater.**
BROOME



**CENTRAL PARK
PLUNGE**

Ductile Iron Fittings

Vinidex Superlink® II Ductile Iron fittings PN16 socketed fittings are specially designed to be lightweight and more compact than traditional Ductile Iron fittings.

- ✓ Vinidex Superlink® II are externally coated and internally lined with a thermally bonded polymeric coating for excellent corrosion resistance
- ✓ Vinidex Superlink® II fittings have deep sockets with push-fit rubber ring seals
- ✓ Small diameter Superlink® II fittings are compact and lightweight for easier and safer manual handling



R-VAN Rotary Nozzles



Performance. Redefined. Advance with R-VAN Rotary Nozzles.

Get ready for the next generation in nozzle design. The R-VAN line is engineered to deliver the most efficient coverage while making installation and maintenance faster and easier. Rotary nozzles have evolved. It's time to move irrigation forward. It's time to advance with R-VAN.



p: 0800 353 966 | e: nzaqorders@aquaspec.co.nz | w: www.aquaspec.co.nz

HIGH PERFORMANCE LEADER BOARD

Congratulations to our fastest growing stores in Preferred Suppliers products. Measured period: September 2018 to February 2019, compared to the previous year.

- | | |
|-------------------|------------------|
| 1. CALLIDE VALLEY | 6. SMITHTON |
| 2. SWAN HILL | 7. MAREEBA |
| 3. TAUPO | 8. ALICE SPRINGS |
| 4. NORTHLAND | 9. WEST COAST |
| 5. ECHUCA | 10. DARWIN |

** Stores must be operating for the full period measured, from the previous year.



World Cup Worthy!

Chris Logan's Think Water Project team have always been world class, and for decades they've led the way on innovative irrigation projects.

In late November 2018, Melbourne's Metropolitan Golf Club hosted the World Cup of Golf, and Chris was called in to help get the course ready. No pressure! Chris and his team nailed the project, and won Think Water's Project of the Year award.

- Chris Logan | Think Water Melbourne | Director

