



GREENHOUSE AND IRRIGATION TECHNOLOGY





AIS Greenworks and Irribiz are leading Australian owned and operated solution providers for the protected cropping and irrigation industries servicing both Australia and abroad, providing design, manufacturing, installation and technical services to the market.

Greenhouses are quickly becoming leading producers of fruit, vegetables, and flowers throughout Australia. In fact, the hydroponics industry is now the fastest growing food production sector in Australia.

Growing within a greenhouse enables the grower to control their environment, increasing yields and quality, while lowering inputs such as water, energy, and pesticides.

Our Irribiz team has worked hard to earn their trusted name in the Irrigation Industry. We have been involved with large scale developments working with Timbercorp and have followed this up with projects with Walnuts Australia, Select Harvest, Olam, Tropical Forestry Services, Agri Australis and several other large scale private, public and government owned farms throughout Australia.

Our value chain model is paramount to our business success and reinforces our commitment to our customers long after project handover.

Irribiz have a qualified and experienced team of installers. Works undertaken for the Trangie Nevertire Irrigation Scheme saw our team install over 150km of EPDM lining and stock and domestic pipelines to service the local farming community. Upon completion, it became the largest installation of its kind worldwide.

Between our offices in New South Wales, Queensland, Victoria and South Australia, and as industry leaders, AIS Greenworks and Irribiz are involved in a multitude of projects across Australasia ranging in both size and complexity.

Our team are both approachable and hard working to ensure the outcome is optimal for the grower time and time again.



IRRIBIZ PROJECTS TIMELINE

YEAR	GROWTH	PROJECT SCOPE	CLIENT	LOCATION	COMMODITY	PROJECT TIMELINE
2007 - 2008		Irrigation Field Works 2500ha of Almond development incl mainlines, submains and flushing manifold, drip tube, field valve assemblies and automation control from the pump station 3x1100L/s dam pump stations on 400ML dams with electrical switch boards and controls, SS manifolds, centrifugal pumps, suctions and foot valves, 130 micron filters, fertiliser system and complete system automation	Menegazzo	VIC	Almonds	60 weeks duration
2007 – 2008		River Pump Station and Rising Maniline 2200L/s angle application Batescrew turbine pumps installed down the riverbank 30km of PVC mainlines from the river to the respective dams Electrical switchboard mounted in a cool room panel control room (elevated about 1956 flood height) Pipework and associated manifolding to enable 7 pumps into 5 mainlines	Annuello	VIC	Almonds	50 weeks duration
2007 – 2008		Dam Pump Station 2 x 1100L/s dam pump stations on 400ML dams Electrical switchboards and controls, SS manifolds, centrifugal pumps, suctions and foot valves, 130 micron filters, fertiliser system and complete system automation	Annuello	VIC	Almonds	20 weeks duration
2008 – 2009		Southern River Pump Station and Rising Mainline 2200L/s angle application Batescrew turbine pumps installed down the riverbank 30km of PVC mainlines from the river to the respective dams Electrical switchboard mounted in a cool room panel control room (elevated about 1956 flood height) Pipework and associated manifolding to enable 7 pumps into 5 mainlines	Menegazzo	VIC	Almonds	20 weeks duration
2008 – 2019		Dam pump station upgrades incl. pumps and electrical switchboards, centrifugal pumps, suctions and foot valves, 130 micron filters and updating automation systems, Vertical Turbine I Line Shaft pumps, Irrigation Supply and install irrigation mainlines, drip tube, valve assemblies, submains and automation of pump stations, flushing manifolds, dam pump station, lift pump station and rising main, Electrical switchboards and controls, SS manifolds, 630mm PVC rising main, field valve filter upgrades, 710mm poly rising main	Webster's Limited	NSW	Walnuts	87 weeks duration over 11 years

YEAR	GROWTH	PROJECT SCOPE	CLIENT	LOCATION	COMMODITY	PROJECT TIMELINE
2009 - 2016		Irrigation Supply and install irrigation mainlines, submains and flushing manifolds, drip tube, field valve assemblies and automation of field valves and pump stations	Tropical Forestry Services	WA and NT	Sandalwood Orchards	243 weeks duration over 7 years
2009 - 2010		Dam Pump Station and Irrigation Mainlines, submains and flushing manifolds, drip tube for block internals, field valve assemblies, automation of control from pump stations 140L/s dam pump station, electrical switch boards and controls, SS manifolds, centrifugal pumps, suction and foot valves and complete system automation	Origin Energy	QLD	Water Treatment Plant	40 weeks duration
2010 – 2017		Pump Stations and Irrigation Supply and install Batescrew angle turbine pumps, irrigation mainlines, centrifugal pumps and screen filters, drip tube, valve assemblies, submains and automation of pump stations Supply and install all electrical equipment, soft starters, VSD's and harmonic filters, programming of systems and implementation of all automation Filtration and cooling upgrades SS manifolds, fertiliser systems, vertical split case pumps, Omega screen filters	OLAM Orchards Australia	VIC and NSW	Almonds	244 weeks duration over 7 years
2011 - 2012		Irrigation 350ha development including mainlines, submains and flushing manifolds, drip tube for block internals, field valve assemblies, pumping stations and automation for control from the pump stations 150ha development including mainlines, centre pivots and automation for control from the pump station	Santos	QLD	White Gums	50 weeks duration
2012 - 2013		Irrigation Scheme Design and supply two river pump stations on the Macquarie River for supply of water to the Tenandra channel system 2 x 130meg/day Angle application turbine pumps 3 x 80meg/day Angle application turbine pumps Design and supply 4 syphons to join channels together that were intercepted by creeks	Tenandra Irrigation Scheme	NSW	Tenandra channel system	52 weeks duration
2012 - 2014		Irrigation Scheme Installed and managed 150km PVC stock and domestic irrigation scheme Installation of 2,400,000m² of Firestone EPDM Geomembrane liner for the irrigation supply channels	Trangie Nevertire Irrigation Scheme / Darling Irrigation	NSW	Stock and Domestic Irrigation	88 weeks duration
2015	Irribiz opens a new office and retail space with warehousing in Virginia SA (45 mins from Adelaide)					

YEAR	GROWTH	PROJECT SCOPE	CLIENT	LOCATION	COMMODITY	PROJECT TIMELINE
2012 - 2016		Agriculture Supply and install irrigation mainlines, drip tube, valve assemblies, submains and automation of pump stations	Various	QLD	Sugar Cane, Hardwood Trees, Blue Berries	
2016 – 2017		Irrigation 1000ha almond development with mainlines, submains, flushing manifolds, drip tube for block internals, field valve assemblies and automation for control from the pump stations 1100L/s dam pump station on 20ML dam on a channel system with diesel motors and controls, SS manifolds, full stainless steel end suction pumps, suctions and foot valves, 130 micron SS filters and complete system automation	Western Rosella Farming	NSW	Almonds	12 weeks duration
2019	New Irribiz branch in Launceston, TAS					
2018 – 2019		Dam Pump Station and Irrigation Supply and install irrigation mainlines, submains and flushing manifolds, drip tube, valve assemblies, electrical switch boards, controls and control room and automation of pump stations Centrifugal pumps, suctions and foot valves on 2 sites, SS manifolds, 130 micron filters, 1200,, rising main and automation for control of field valves	Hancock	NSW	Almonds and Walnuts	96 weeks duration
2019		Internal Irrigation 600ha supply and install mainlines, submains and flushing manifolds, drip tube for block internals, field valve assemblies, filter and fertiliser station, electrical switchboards, controls and control room, SS manifolds, 130 micron filters, automation for control of field valves and 710mm rising main	Amaretto	NSW	Almonds	26 weeks duration
2019		Internal Irrigation 800ha supply and install mainlines, submains and flushing manifolds, drip tube for block internals, field valve assemblies, filter and fertiliser station, electrical switchboards, controls and control room, SS manifolds, 130 micron filters, automation for control of field valves and 710mm rising main	Global Ag	NSW	Almonds	26 weeks duration
2019		Internal Irrigation 500ha supply and install mainlines, submains and flushing manifolds, drip tube for block internals, field valve assemblies, filter and fertiliser station, electrical switchboards, controls and control room, SS manifolds, 130 micron filters, automation for control of field valves and 90mm rising main	Keys Ag	NSW	Almonds	26 weeks duration
2020	New Irribiz branch in Mt Evelyn, VIC					

AIS GREENWORKS PROJECTS TIMELINE

YEAR	GROWTH	PROJECT SCOPE	CLIENT	LOCATION	COMMODITY	PROJECT TIMELINE
2000	AIS built a roll forming machine to service Australia and for many years AIS were the 3 rd largest roll formers to the hydroponic industry worldwide					
2001	AIS become the exclusive commercial Grodan distributors for Australia					
2005	AIS were acquired by group of owners now known as ICI Industries					
	AIS moved to larger office Packard Road Castle Hill					
		Stage 1 of their Yandina Operations	Nora Valley	QLD	Tomatoes	12 weeks duration
		Irrigation and Fog systems	Flavorite Hydroponic Tomatoes	VIC	Tomatoes	7 weeks duration
2006		Irrigation and Fog systems	Murphy Fresh	VIC	Tomatoes	7 weeks duration
2009		Irrigation and Fog systems	Murphy Fresh	VIC	Peppers	9 weeks duration
2010	AIS moved to larger office Gladstone Road Castle Hill					
		Irrigation and Fog systems	TAFE Richmond	VIC	Training	10 weeks duration
2012		Irrigation and Fog systems	Murphy Fresh	VIC	Tomatoes	5 weeks duration
2013		Stage 1 of the Guyra operations	Tomato Exchange	NSW	Tomatoes	12 weeks duration
		Propagation Facility	Trandos Hydroponic Growers	WA	Propagation	16 weeks duration
		Irrigation, Storm water, Heating and Fog systems	Gippsland Greenhouses	VIC	Truss Tomatoes Eggplants	16 weeks duration

YEAR	GROWTH	PROJECT SCOPE	CLIENT	LOCATION	COMMODITY	PROJECT TIMELINE
2015	AIS Greenworks opens a new branch and retail space with warehousing in Virginia SA only 45 mins from Adelaide.					
	Naming Rights sponsor of the Greenworks PCA Conference on the Gold Coast, including a delegate tour of Nora Valley Developments new greenhouse fitted out by AIS Greenworks					
		Expansion to the existing Greenhouse	Nora Valley Developments Yandina	QLD	Snacking Tomatoes	9 weeks duration
		Heating	Blackwood Park	VIC	Snacking Tomatoes	10 weeks duration
2016	AIS Greenworks opens new branch in Castle Hill with ample space for local warehousing			NSW		
	AIS Greenworks starts work on the Western Sydney University project on the Hawkesbury Campus			NSW		
		Greenhouse Expansion	Nora Valley	QLD	Snacking tomatoes	9 weeks duration
2017	Platinum Sponsors at the Bi-Annual PCA Conference in Adelaide July 9-12					
	Western Sydney University Greenhouse Research Education & Training Facility is completed and handed over to the customer in January					
		Irrigation controller and water system engineering	Boomaroo	VIC	Propagation	13 weeks duration
2018		Third hi-tech, climate controlled growing system	Bunya Fresh	QLD	Snacking Tomatoes	18 weeks duration
		1 ha Development	Murphy Fresh	VIC	Truss tomatoes	9 weeks duration
		4 ha Development	Tatura Fresh	VIC	Truss tomatoes	9 weeks duration
		Heating expansion	Redsun Hydroponics	SA	Tomatoes	7 weeks duration
		High pressure fogging system	Flavourite Hydroponic Tomatoes	VIC	Tomatoes, Capsicums, Cucumbers, Mini Cucumbers and Eggplants	7 weeks duration
2019	New AIS Greenworks branch in Launceston, (TAS)					
	Premium Partners of the Costa PCA Conference Gold Coast, QLD July 7-10, including a farm tour to Bunya Fresh fitted out by Greenworks.					

YEAR	GROWTH	PROJECT SCOPE	CLIENT	LOCATION	COMMODITY	PROJECT TIMELINE
		2 ha Development	Gippsland Greenhouses	VIC	Eggplants and Truss Tomatoes	15 weeks duration
		0.5ha Redevelopment	Murphy Fresh	VIC	Truss Tomatoes	8 weeks duration
		High pressure fogging system	Flavorite Hydroponic Tomatoes	VIC	Tomatoes, Capsicums, Cucumbers, Mini Cucumbers and Eggplants	7 weeks duration
		Irrigation, Automation and storm water for a Berry Nursery	Red Jewel	QLD	Berry Nursery	18 weeks duration
2020	New AIS Greenworks branch in Mt Evelyn, Victoria					
		1.3ha Greenhouse fitout	Lotus Farms	VIC	Tomatoes	15 weeks duration
		Fog lateral lowering	Tatura Fresh	VIC	Tomatoes	3 weeks duration
		4000m ² greenhouse expansion	Redsun Hydroponics	SA	Snacking Tomatoes	9 weeks duration
		Greenhouse fitout: Heating, irrigation, gutter drain, heat mixer sets	SA Tomatoes	SA	Tomatoes	9 weeks duration
		Fog and heat lowering	Murphy Fresh	VIC	Tomatoes	7 weeks duration
		Heating and fog	Cafcakis Nominees	SA	Tomatoes	6 weeks duration
		High pressure fog	FHAH	VIC	Tomatoes	7 weeks duration
		Priva compact climate control	Medcan	QLD	Medicinal Cannabis	
		Priva climate control computer system	DPI Wollongbar	NSW	Training	6 weeks duration
		Priva climate control computer system	DPI Cowra	NSW	Training	6 weeks duration

IRRIBIZ / GREENWORKS





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AIS Greenworks and Stolze are both family-owned businesses with decades of experience in greenhouse automation, heating, cooling, lighting, irrigation, fertigation, growing systems and high-pressure fog.

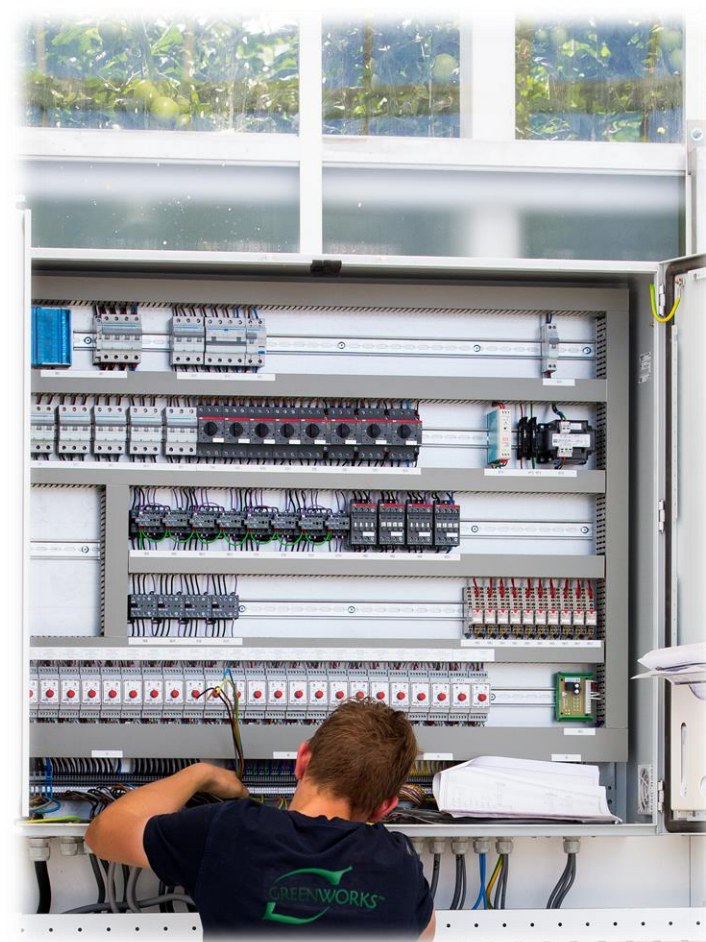
After Stolze and AIS Greenworks first contact in 2018, their shared values made it an obvious progression to work together on a 4-ha high-tech tomato greenhouse on the Queensland Sunshine Coast. On June 4th, 2019 Stolze and AIS Greenworks formalised that strategic partnership for their future ahead in the Australasian region.

The goal is to offer a complete technical and spare parts service (Stolze are a Priva Full Service Partner) to all customers in Australasia.

Stolze and AIS Greenworks believe that growing crops with high tech support is essential for the survival of mankind. The growing world population, climate change and a scarcity of resources are global issues we all need to overcome. Low carbon footprints, and safe and intensive food production are no longer just a desire, but a necessity.

Stolze is a worldwide known specialist in the field of heating, electrical and irrigation technology, grow lights, Priva automation and climate control for modern horticulture. Stolze's turn over for 2020 is greater than € 100 million

Below is reference to vegetables projects with a surface area of more than 5Ha.



STOLZE VEGETABLE PROJECTS (AREA MORE THAN 5ha)

CLIENT	SURFACE	COUNTRY	CROP
Hoogweg Paprika	90 ha	NL	Peppers
4 Evergreen	60 ha	NL	Peppers
Combivliet	92 ha	NL	Tomato
Lans	42 ha	NL	Tomato
Prominent	24 ha	NL	Tomato
Maroa Farms I	11 ha	USA	Tomato
Maroa Farms II	11 ha	USA	Tomato
Pepper Co.	26 ha	USA	Peppers
Lake Side Produce	0.6 ha	USA	Cucumbers
Green Empire Farms	27 ha	USA	Tomato-Strawberry
Serres Toundras fase I	8.4 ha	Canada	Cucumbers
Serres Toundras fase II	8.4ha	Canada	Cucumbers
Demers	6.2 ha	Canada	Cucumbers
Double Diamond I	11 ha	Canada	Cucumbers
Double Diamond II	12 ha	Canada	Cucumbers
Dong Bu	11 ha	S-Korea	Tomato
Hibikinada	8 ha	Japan	Tomato
Kada	5.2 ha	Japan	Tomato
Al Reiyhana	7.2 ha	KSA	Tomato
Al Blahed	12 ha	KSA	Tomato
Al Atiya	10 ha	KSA	Tomato
DAVA A	12 ha	KSA	Tomato-Cucumber
DAVA B	14 ha	KSA	Tomato-Cucumber
DAVA C	12 ha ²	KSA	Tomato-Cucumber
DAVA D	18 ha	KSA	Tomato-Cucumber
Cimarron	32 ha	Mexico	Peppers
Agrizar	98 ha	Mexico	Tomato-Pepper
Campo Real	19 ha	Mexico	Tomato
El Rosal	42 ha	Mexico	Tomato-Pepper
Usabiaga	32 ha	Mexico	Tomato-Pepper
Hacienda Fresh	18 ha	Mexico	Peppers

irribiz



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