



ABERGELDIE
COMPLEX INFRASTRUCTURE



CELEBRATING 20 YEARS

June 2014

Keeping you in the loop...



Abergeldie Complex Infrastructure celebrates 20 years building better communities this year. I have had the pleasure of looking back on that journey in this update. I hope you enjoy my reflections on what has been, on the most part, a very enjoyable journey made with some very good people.

During August and September we will have events in Sydney, Brisbane, Newcastle and Canberra to commemorate reaching the 20 year milestone. I hope you will be able to join me, and key members of the Abergeldie team, at the events. We are proud of what we have achieved to date and look forward to celebrating our achievements with our clients and our partners.

This update on current projects gives a good overview of what we do at Abergeldie. We are completing high quality projects for very important clients at Schofields Road in North Western Sydney, Integra Coal Mine in the Hunter Valley, Cargill Australia's plant near Newcastle and Shone Avenue in Wollongong. The spot light on the Gayndah and Mundubbera Raw Water Intakes project in Queensland and the Lennox Bridge Portals project in

Parramatta gives a good insight into the complexity of the work carried out by the teams at Abergeldie. We are also designing and constructing civil, mechanical and electrical work at several sites across Sydney for Sydney Water. All these projects give you a good feel of how diversified the capability is within the Abergeldie team.

Between what we build and the community work we do, we really have a team of people committed to building a better community.

As I have said we are proud of what we have achieved over the last 20 years. As you can see we are busy on current projects and we are focussed on providing many more complex projects into the future. The past 20 years has provided us with a good platform to enable us to meet our client's and the communities needs for many years to come.

Mick Boyle
Managing Director
Abergeldie Complex Infrastructure™

*Pictured Above: Our first crew- Leo, Tony, Gerry and
Ciro - working on the Victoria Rd bus bay 1997*

www.abergeldie.com

Celebratory Event Details

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ENERGY

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LOOKING BACK 20 YEARS

- ABERGELDIE'S MD REFLECTS ON THE PAST 20 YEARS

This year, Abergeldie Complex Infrastructure celebrates twenty years of helping private and public-funded organisations deliver the infrastructure needed to help build better communities.

From a young age, Abergeldie's managing director, Mick Boyle, began learning about business. With his father owning a small construction business, 'Boyle and Sons', Mick had the expectation of joining the business once he had finished school. Unfortunately, the business closed after Mick's dad had an accident at work. Thankfully, after nearly six months Mick's father recovered and took up work again for a former competitor.

After finishing his Civil Engineering degree, Mick worked for ten years in the construction industry across Australia, and with some stints overseas as well. All that time, his aim was to learn as much as he could to prepare for starting his own business when the time was right.

"I had a bit of luck that helped me with my timing to do just that," said Mick. "I must admit, it didn't seem so lucky at the time. I had resigned from a job and had received a good offer from another company. While I was thinking over the offer, I spent a Sunday afternoon roller blading (for the very first time) with my wife, Robin, around Lake Burley Griffin and in the process I got a bit ahead of myself chatting away and did not realise that we were on a long slow downhill. My balance was just good enough for me to stay up long enough to build up enough speed to smash an ankle when I eventually fell over."

That broken ankle put Mick in hospital, giving him time to think. Not only did he decide not to take up the major construction company offer, he and Robin also decided it was time to start Abergeldie, AND renovate the house AND start a family. "You have to be careful giving yourself too much thinking time," warns Mick.



1998: Storm water detention basin at Sydney Olympic Park

"The deal was, I could use \$5000 on the Abergeldie business venture and when that ran out I would go get a real job."

In 1994, with very little money and a whole lot of enthusiasm, Mick started Abergeldie. "The deal was, I could use \$5,000 on the Abergeldie business venture and when that ran out I would go get a real job," said Mick. "I had to buy a phone and a car with that \$5,000 but I didn't ever want another real job. As a result I learnt quickly to be very good with cash flow, and not to be too fussy about my cars."

Many people who have started their own business would know the early excitement of 'working for yourself' for the first time. It doesn't take long for that feeling of euphoric freedom to disappear if you find yourself without customers.

"I have been lucky to have led Abergeldie as it has grown, from that first quiet day, to be a pretty significant construction company working all up and down the east coast of Australia. I have been even more lucky to enjoy our family as it has grown at the same time," said Mick.

As Abergeldie has grown over the last 20 years, so too has the variety, size and complexity of its projects. In its early days, Abergeldie was constructing foundations for telecommunications and water treatment plant structures and stair ways for rail pedestrian bridges around Sydney. Today, Abergeldie is a \$100 million turnover per annum company building multi-million dollar dams, bridges, rail, marine and mine infrastructure.

"A proud moment for me, in 2013, was when we won the National CCF Award for our project at Lucinda, about 1.5 hrs drive north of Townsville. On that project we pretty much rebuilt an ocean jetty and bulk sugar loader damaged by Cyclone Yasi. Nearly all of the works were carried out at heights, over water, up to 5.7 km out to sea, and sometimes under water, demolishing and repairing unstable, damaged structures, services and equipment. It was probably one of the most complex and challenging projects we have ever done, and it's particularly pleasing that we won a major award for it," Mick recalls.

Abergeldie has carefully and deliberately diversified the breadth of its expertise over the years, both through investing in planned internal growth and by strategic acquisitions. "We invested in an innovative shaft sinking company in 2001 and went on to purchase it outright in 2007," said Mick.

"Since then, we have installed many ventilation shafts to underground coal mines. The largest of them involved drilling a 5m diameter shaft, in a single pass, from the surface down nearly 500m. To do it, we designed and built our own blind boring drill rigs, which are the biggest of their kind in the world."

In 2008, Abergeldie also acquired John Young (Kelvinhaugh)

Pty Ltd, after a long period of association with them in joint venture and alliance project arrangements. "It meant we brought in-house a tremendous depth of expertise and experience in mechanical and process engineering," said Mick. The process engineering portion of the business, combined with the existing civil engineering capability, has since delivered countless projects for water utilities, ranging from belt filter press installation and commissioning through to \$40 million plus upgrades of waste water treatment facilities including mechanical, control systems and civil design and construction work.

"The kind of work we do is important but very much in the back ground and that suits me just fine."

Abergeldie's company mission is based on delivering complex infrastructure needed to build better communities. "That is what we do. That is our purpose. It helps to keep the team focussed to know what you do and why," explained Mick. "The kind of work we do is important, but very much in the background of the greater communities' everyday lives; and that suits me just fine."

When asked, "What are the main things that have contributed to the company's success?" Mick answers, "I have been reflecting on the journey from sitting in a home office looking at the phone hoping for it to ring, to where Abergeldie is today. I don't really know what was important or what wasn't important in what we have done to get to where we are today. I don't actually remember all of it: broken sleep with four young kids plays havoc with your memory."

"I do know that it has taught me a few things, though. You need to work hard. Robin and I have done that. In many ways she worked harder than me, being heavily involved in the business and at home. Hard work isn't everything though. I saw that with my father's business. You also need luck. We have had luck. You need to be honest enough to know that a hell of a lot is outside your control, so don't take too much credit when things go well and don't be too hard on yourself when they don't work out as planned."

"You need good people. That is one of the keys to all businesses. Everybody knows that. It is especially important for Abergeldie with so many projects so spread out. I can't possibly keep my eyes on everything. You need good people making good decisions. Good people attract



1994: Abergeldie's first office - on a farm just outside ACT

more good people. The more good people you have, the easier it gets."

"I think we really can say that Abergeldie is working to build a better community on more than just one level."

"It's not all about making a profit. Good people want to be involved with an organisation that does good work and treats its workers, its clients and the general public with respect. Even more than that, they want to work for an organisation that stands for something."

"Since the first year of Abergeldie, we have allocated a proportion of turnover to charity. We have accepted it as our corporate responsibility and account for it as a normal cost of doing business. As the company has grown, that small proportion of turnover has developed into a significant amount. It allows Abergeldie to support charities such as Beyond Blue, Oxfam and Vinnies."

"We sponsor the Vinnies van that visits the homeless in Penrith and Parramatta, 365 days a year. More important than the cash sponsorship, I think, is that 20 people from Abergeldie's Sydney office are on the volunteer roster for that van. I think we really can say that Abergeldie is working to build a better community on more than just one level."

What's next? "We are targeting significant growth this coming financial year. Revenue has dropped for this year in line with the market contraction, but the business is targeting key areas of growth and we are adapting to optimise the capture of opportunities. We hope to continue growing for many, many more years, delivering infrastructure that helps to build better communities."



2005: Mick and Robin on the Regents Park Site before the office was built



2008: Robin and Mick at the official office opening, Regents Park

PROJECTS UPDATE

- CURRENT AND NEWLY AWARDED PROJECTS



Schofields Road

ROADS AND MARITIME SERVICES, NSW

Earthworks have been well and truly completed, and the final wearing course of asphalt has been placed on the eastbound carriageway. Kerb and gutter, as well as footpath, are quickly being completed to the eastbound carriageway, and both the intersections at Tallawong Road and Cudgegong Road are complete. Traffic signals are currently being installed for commissioning in the next few weeks, and the final road signs are being installed, to be unveiled when the road is completely open to the public. The final touches are being applied to driveways to residents' properties adjoining Schofields Road. A major upcoming milestone will be switching of traffic from the westbound lanes onto the eastbound lanes, so that the final asphalt wearing course can be applied to the westbound carriageway. Final line marking will soon follow.



Integra Vent Shaft

VALE AUSTRALIA

Integra Ventilation Shaft has now been completed to a final depth of 394m. Through difficult ground conditions, Abergeldie has successfully drilled down to give Integra coal access to two coal seams.

Two different methods have been used to line the shaft, with an unlined gap, 3m deep, left between the two sections to give access to a second coal seam at the intermediate level. For the upper section of the shaft, steel/concrete composite liners were installed down to a depth of 330m with 5.5m internal diameter. The drill head was then reconfigured and the shaft continued at a reduced internal diameter of 4.9m for a further 60m down to the Hebden coal seam. For this lower section of the shaft, steel liners were placed and grouted into position.



Project Nino

CARGILL AUSTRALIA

In March 2014, Abergeldie completed construction of foundations, footings, service roads and service connections to support a major expansion of Cargill's oil seed refinery tank farm at Kooragang Island on the Hunter River.

The works included construction of 2000m² of concrete slab foundation for oil storage vessels with over 6500 tonnes of storage capacity, and an additional 450m² slab foundation for a load out facility.

2800 m² approx. of additional drainage and roads connecting the packaging facility to the primary access road cater for increased tanker movements.

Project Nino allows for increased capacity to manufacture vegetable oils and protein meals which are supplied to local and export markets. Cargill Australia is very happy with the quality of the end product.



Shone Ave Realignment Stage Two

WOLLONGONG CITY COUNCIL

After the successful completion of Shone Ave Stage One, Abergeldie have successfully won the tender to carry out the Stage Two realignment works on Shone Ave at Horsley.

The road realignment works comprise of constructing a two lane, two way road over a length of 390m. Included in the works is the construction of a 62m long, 4 span bridge and channel works.

As part of the works, the existing water main, communication assets and overhead power lines are to be relocated. Street lighting will be installed along the whole alignment.

The drainage system serving the upgraded section of Shone Avenue will comprise pipes/culverts, catch and surfaces drains, and scour protection.

Note: Photo of Shone Ave stage one bridge works complete

PROJECT FOCUS

- COMPLEX PROJECT SPOTLIGHT



Gayndah and Mundubbera Raw Water Intakes

North Burnett Regional Council have awarded Abergeldie a \$4.2 million contract (made possible with the assistance of betterment funding provided by the Australian and Queensland Governments under the Natural Disaster Relief and Recovery Arrangements) for construction of new raw water intakes from The Burnett River at Gayndah and Mundubbera. The works will replace the town water supply intake structures that were destroyed during the 2011 and 2013 floods.

The pump well intake structure at Gayndah is being constructed in 5m of water beside the existing Claude Wharton Weir. The well shaft is built by stacking eight precast segments on top of each other. Each segment weighs between 34 and 50 t. A 280t crawler crane lifts the segments into place, with a crew of divers landing them into position onto a blinding slab on the river bed. The blinding slab was poured insitu using a special underwater concrete mix, with a team of divers working at river bed level to ensure accurate placement. The entire structure is tied together by grouted anchor bars, with the joints between segments injected with epoxy grout. A temporary steel shield is being installed over the finished intake well opening, so that the well can be sealed and then to pumped dry to allow access for the fitout of pumps, screens and valves.

The intake structure at Mundubbera will replace the existing jetty structure. The new jetty will be 25m long and supported on 6 x 900mm diameter reinforced concrete bored piers. The piers will be up to 14m deep and socketed into rock. The jetty structure will be fabricated from 310UC structural steel framework and hardwood timber decking. Access for a drill rig to bore the piers will be provided from a temporary working platform constructed of braced sheet piles and filled with sand. The jetty will carry the pumps and rising main to connect into the existing water supply.

Works at Gayndah are currently in progress to lift the precast pump well segments into place. Work at the Mundubbera site has commenced with completion of access road, conduit installation and fabrication of the jetty structure. Both projects are due for completion in June with commissioning to take place late July.



Top: The crane safely in position at the bottom of the embankment after traversing 50m at 11degree incline
Bottom left and right: Divers positioning the precast concrete units before lowering into 5m of water to the blinding slab below

PROJECT FOCUS

- COMPLEX PROJECT SPOTLIGHT

Lennox Bridge Portals

Since February, Abergeldie has been constructing two portals through the outer abutments of the heritage-listed Lennox Bridge which carries Church Street over the Parramatta River. The \$5 million project, awarded to Abergeldie by Parramatta City Council, will complete a continuous east-west foreshore pathway for cyclists and pedestrians along both banks of the Parramatta River.

The project involves contiguous piling, excavation, installation of a pair of structural concrete in-situ culverts, service relocations and adjustments, internal fit-out and services, road realignment including kerbing and guttering, road pavement works, footpaths, installation of new sandstone balustrades and reinstatement of the existing sandstone blocks which face the abutments' outer walls, landscaping and other associated works.

With initial service relocations near complete and sandstone heritage investigations progressing, work is proceeding well on the installation of contiguous piles to enable excavations for stage 1 works on the north-eastern and south-eastern portals. Excavation for stage 1 in the southern portal is near completion.

Many elements of the works need to be planned and executed in sympathy with the existing heritage structures and finishes. Detailed approvals are required before heritage-sensitive works can proceed. To date, the existing eastern bridge balustrade have been removed to make way for construction of new structural footings to support replacement concrete balustrades with sandstone-clad faces to blend in with the old heritage finishes. The next few months will see more heritage approvals allowing further work fronts to open on all four of the river bank approaches.

The existing bridge was built in three stages, with the earliest portions dating back to the early 19th century. No drawings are available showing exactly how the oldest portions of the bridge were built. In planning excavation through the abutments, assumptions have had to be made on the basis of what is known to have been typical of bridges of that time. Abergeldie is continuing to work with the designers, Council and the Heritage Office to positively address the significance of this bridge.

The project is expected to be completed by 15 December 2014.



Northern and southern portal construction underway and eastern balustrade works in progress

SAVE THE DATE!

It's not every day that you make it to 20 years in business! Abergeldie will mark the event by celebrating in style in all the regions in which we operate.

We would love you to join us in celebrating!

If you are interested in coming along to one of the events contact: Erin Shilton, Marketing Manager.

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Phone: 0439 031 895



Sydney
Museum of Contemporary Art
Quay Side Room
14 August 2014, 6-10pm



Brisbane
Victoria Park
Garden Marquee
28 August 2014, 6-10pm



Newcastle
Merewether Surfhouse
South Room
11 September 2014, 6-10pm



Canberra
Boat House by the Lake
Eastend Room
25 September 2014, 6-10pm

COMMUNITY NEWS

- BUILDING BETTER COMMUNITIES

Sydney University Scholarships

Abergeldie is looking to the future by providing funding for the following University of Sydney scholarships in 2015:

Abergeldie Scholarship in Engineering Leadership – This four year scholarship will be awarded to a fulltime student entering first year of civil engineering. It allows the student access to structured learning through the university Engineering Leadership Program as well as work experience with Abergeldie over the summer break each year.

Mick Boyle PhD Research Scholarship in Engineering – This scholarship will be awarded to a student from the Faculty of Engineering and IT commencing their PhD in 2015, with preference given to a student working on engineering solutions to providing sustainable base load power generation and water supply.

Mick Boyle continues to work closely with the university through his role within the Civil Engineering Foundation and as a member of the Vice Chancellor's Campaign Board.



Convoy for Kids

In February Abergeldie donated to Convoy for Cancer in the ACT. The convoy of trucks and other vehicles drove from Queanbeyan finishing in the green space next to Abergeldie's Gungahlin bus facilities project. The event raised over \$150 000 for kids with cancer. Abergeldie also assisted on the day by providing road bollards and other traffic management support. Thanks go to our ACT team for their initiative on this event.



Sustainability

Through our membership of Sustainable Business Australia, Abergeldie, along with many other forward thinking businesses is continuing to encourage the federal government to keep the current climate policies in place – including a price on carbon emissions. Our company strongly believes that this is the most efficient way for Australia to reduce greenhouse gas emissions and meet our renewable energy targets in the future. Australia is well poised to provide the complex infrastructure needed for a sustainable future – Abergeldie is already part of this process – but we need to get both government and business leaders to stand up on this issue for the sake of our environmental and economic future.

CEO Winter Sleep Out

Abergeldie's Managing Director Michael Boyle will be taking part in the CEO winter sleep out again on 19 June 2014. Mick has participated in this event for many years to help raise money and awareness for homelessness.

Abergeldie as a company also sponsor the Vinnies Van that operates in western Sydney providing food and conversation to homeless people 364 days a year. Around 20 Abergeldie employees are part of the roster on the van. You can sponsor Mick by heading to www.ceosleepout.org.au or clicking or scanning the below QR code.



Corporate Video

Our corporate video is now complete. You can view it by visiting our website or by scanning the QR code below. The video shows how we are living up to our mission 'building better communities', our brand's beginnings, the types of projects we undertake, company history and vision for the future.



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