

Welcome to our July Bulletin for 2015. In this edition you'll be able to read about surveying the Darwin Harbour seafloor, responses to some popular questions, this year's Barunga Festival in Katherine and more. We'll see you again in two months, but don't forget to check out ichthysproject.com for videos and more information.

Ichthys Project Bulletin

Darwin businesses on the **world stage.**



The 2015 OTC Australian Trade Delegation in the world's energy capital, Houston

Three local businesses have returned from the USA after attending one of the world's most prestigious oil and gas events.

For the third year running, the Ichthys Project part-sponsored three NT companies to attend the Offshore Technology Conference (OTC) in Houston, as part of the American Chamber of Commerce Australia trade mission.

Darwin-based businesses MMC, Redline Plumbing and ECB Training joined 94,000 attendees from 130 countries at the conference.

With Darwin fast becoming an important oil and gas industry supply hub, the companies said the trip was an eye opener to just how well local industry was positioned to support the sector.

The sponsorship is part of the Ichthys Project's commitment to not only have Territory businesses benefit from the Project but access other opportunities in the global oil and gas market.

OTC provides access to leading-edge technical information, the industry's largest equipment exhibition and valuable new professional contacts from around the world.

Safety zone.

As the Project moves to peak construction between 2015 and 2016, sharing the roads safely continues to be a top priority. The Project transports its workforce on buses, which is the safest and most effective way, and reduces pressure on local roads.

- About 180 buses are expected to be in service during peak construction
- Buses transport people to and from work, the City, Manigurr-ma Village, suburbs and the airport
- Many buses operate from the Project's park'n'rides around Darwin, Palmerston and the rural area, providing options for local workers

- Buses run to and from Bladin Point seven days a week and all buses travel on pre-approved routes which have been timed, where possible, to avoid peak traffic
- Our carefully considered transport movements are included in the publicly available Road Transport Management Plan
- Larger vehicles, like buses and trucks, take longer to stop, so it's important to give them the space they need
- Take care when crossing the road and wear a helmet and colourful clothing when riding a bike.

You can get up-to-date Project transport information by signing up to the JKC Community Bulletin on our website.



Frequently asked Questions.

We're always talking with people in Darwin about the Ichthys Project. INPEX General Manager Darwin Sean Kildare took some time out of his day to share some of the most popular questions and provide some straight-talking answers.

Q. Where's the Project at?

A. The whole of the Ichthys Project hit 68 per cent completion in March 2015. By 'whole', I'm referring to not just the onshore works we can all see in Darwin at Bladin Point, but also things like development drilling in the Browse Basin, deepwater pipelay for our gas export pipeline, module fabrication overseas, and the construction of our two huge offshore facilities in South Korea.

Q. Is it the 'INPEX Project' or the 'Ichthys Project'?

A. Technically it's the 'Ichthys LNG Project'. The Project is actually a joint venture between several companies and INPEX. As the biggest shareholder, INPEX operates the Project on their behalf. For INPEX, the joint venture and most people around the world, it's referred to as the Ichthys LNG Project or 'Ichthys Project' for short.

Q. And how do I pronounce that?

A. To pronounce Ichthys, try saying "Ick" and "this" out loud, very quickly.

Q. What's happening with the onshore plant at Bladin Point?

A. Basically, the bulk of the civil works and installation of underground services are complete, so the team is transitioning to mechanical and electrical works. In non-industry terms, you could say we've now prepared the ground and are placing all the key bits and pieces on it and getting ready to join them all up.

Q. Is construction in Darwin winding down?

A. No. In fact, the Project is only now moving to peak construction.

With civil works at Bladin Point nearing completion, some people working on that phase of construction have moved on.

I think a few people interpreted this to mean that all of construction was winding down, but it was actually just a shift from one construction phase to another. We're now in the mechanical and electrical works phase and different people with different skills are joining us all the time.

Q. So how many people will you need at site during peak construction?

A. At peak, you could expect to find about 8000 people working at Bladin Point on any given day. We'll have that many people at site from later this year until about mid 2016.

Q. Why are there so many buses?

A. A big project needs lots of people and all of them need transport to get around. When we decided to build the onshore facilities in Darwin, we proposed buses because they're safe, effective and would minimise the number of vehicles we were putting on local roads. We're looking at 180 buses being in service during peak construction.

Q. Where are all the local jobs?

A. We couldn't offer a job to everyone in Darwin that was interested in working with us, but we think we have done pretty well. Up until the end of 2014, 60 per cent of our workforce was local and we're proud of that achievement.

Q. Are there any apprenticeships for adults?

A. Yes. In fact, 10 INPEX Operations trainees are actually with us right now, getting trained up to become future oil and gas technicians in Darwin. There was a pretty overwhelming response when these roles were advertised last year, so we know there is a lot of local interest and will keep people updated if and when we do another round.

Q. What's going to happen to the Village?

A. We get asked this a lot, but the decision isn't actually ours to make. Manigurr-ma Village was constructed to provide a second home for our temporary, fly-in fly-out construction workforce, but it's built on Crown land and any future use will be decided by the Northern Territory Government.

CDU engineering students win Bladin Point trip.

Participating in an INPEX survey on the Northern Australian Centre for Oil and Gas won 20 aspiring engineers a tour of the Ichthys Project's onshore facilities at Bladin Point in early June.

The survey was designed to help INPEX understand the benefits the Centre at Charles Darwin University is providing to staff and students.

INPEX General Manager External Affairs and Joint Venture Bill Townsend said the tour was one of many ways the company was building and maintaining relationships with the Darwin community.



"The tour gave future civil, mechanical, process and chemical engineering students an opportunity to see what a mega-project looks like from the ground up," Bill said.

After touring the site's facilities, the university group had lunch at the site offices and a talk from INPEX Darwin General Manager Sean Kildare.

In 2012 the Ichthys Joint Venture contributed A\$3 million towards the construction of the A\$6.5 million Centre.

Employment enquiries.

The Ichthys Project's onshore LNG facilities contractor JKC Australia LNG (JKC) has a Construction Employment Mobilisation Centre (CEMC) in the Darwin CBD. If you have an employment enquiry go to www.ichthysjobs.com to register your interest. If you have any difficulties or want to speak to someone in person, please drop in to the CEMC at 22 Mitchell Street from 10.00 am to 4.00 pm, Monday to Friday, or call (08) 8980 9999.

Around the world with Ichthys.



Taking shape: In South Korea, the topsides integration phase for both of the Project's huge offshore facilities – the central processing facility and the floating production, storage and offloading facility – is tracking well. This involves the hull and topsides for each facility coming together as single, connected structures – their components (or modules) having been fabricated separately. The combined weight of all topside modules for both facilities is about 120,000 tonnes.



Touch down: The Project has safely landed the first of five production manifolds on the seabed in the Ichthys Field, about 200 kilometres offshore Western Australia. Weighing about 435 tonnes, the manifold was lowered on 12 June 2015. When operational, the manifolds will commingle production from the subsea wellheads and distribute it to the Project's central processing facility.



Pile off: Offshore piling works were successfully completed with the last of 49 foundation piles safely driven into the seabed on 4 June 2015. The piling installation prepares the Ichthys Field for the arrival of the Project's two offshore facilities. Each pile is about 66 metres long and weighs more than 450 tonnes.



Pipelay half-way: In late May, pipelay vessel *Castorone* reached the half-way point of the 882 kilometre offshore gas export pipeline (GEP) route. The Project started laying the 718 kilometre deepwater portion of the GEP on 6 February 2015. The 164 kilometre shallow water section through Darwin Harbour and beyond was completed in November 2014.

Keeping Darwin Harbour special.

Darwin's immense harbour is a truly exceptional place and the Ichthys Project is proud to support keeping it healthy.

Included in the Project's many environmental initiatives is funding of \$2.64 million over four years to support research surveying the seafloor of the outer Darwin Harbour.

Scientists on board the AIMS vessel *RV Solander* are measuring the depth of the Harbour's seabed and taking more than 100 sediment samples from around 621 square kilometres.

The *RV Solander* will operate 24 hours a day, mapping from Darwin's northern beaches to the Cox Peninsula.

The research is a joint initiative between the Northern Territory Government, Geoscience Australia and the Australian Institute of Marine Science. The funding is part of the Ichthys Project's \$91 million offset program.



The big blue *RV Solander* will operate 24 hours a day mapping the seabed from Darwin's northern beaches to the Cox Peninsula

INPEX joins in the fun at **Barunga Festival**.

INPEX Australia was proud to sponsor the 30th anniversary of the largest remote community festival in Australia, the Barunga Festival.

Held annually over the Queen's birthday long weekend in a small Aboriginal community south of Katherine, the Barunga Festival celebrates contemporary Indigenous culture through arts, sport and music.

INPEX personnel joined the 3000 strong crowd, with people from all over the country and the world, who took part in a program of workshops, dancing ceremonies, didgeridoo making, basket weaving and enjoying plenty of great music and sport from the region.



Blekbela Mujak Band performs on the main stage at the 2015 Barunga Festival in Katherine

Through its Community Sponsorship and Investment (CSI) program INPEX Australia hopes to work with Aboriginal and Torres Strait Islander communities with the aim of building sustainable, mutually-beneficial relationships. For more information on the CSI program check out the website.



Star Ball Darwin: Sponsored by INPEX Australia since 2010, more than \$100,000 has been raised for the Northern Territory Starlight Children's Foundation through sponsorship and live auction prizes at the Darwin Star Ball.



Darwin Harbour Clean Up Day: INPEX volunteers took part in the 6th annual Darwin Harbour Clean Up Day. The Ichthys Project has sponsored the event since its inception in 2010. The event raises awareness on the sources and effects of rubbish that ends up in the harbour and sea, and encourages everyone to "bin it or take it with you".



Darwin Symphony Orchestra at the Waterfront: Darwin Symphony Orchestra hosted a free community event at Darwin Waterfront in May. Around 4000 people attended the INPEX Australia sponsored event and enjoyed the free cultural experience in a family-friendly environment.



Operations: The Onshore Operations team in Darwin marked the International Labour Organisation's World Day for Safety and Health with a morning stretching session, followed by a workshop on the prevention of occupational accidents and diseases.

Contact us

Construction job enquiries
ichthysjobs.com
(08) 8980 9999

General community feedback
1800 705 010

Onshore construction feedback
1300 724 795

enquiries@INPEX.com.au
ichthysproject.com



The Ichthys LNG Project is a Joint Venture between INPEX group companies (the Operator), major partner Total, CPC Corporation Taiwan and the Australian subsidiaries of Tokyo Gas, Osaka Gas, Kansai Electric Power, Chubu Electric Power and Toho Gas.