

# Kimberley community update

September 2021

INPEX

**INPEX is active in a number of projects off the coast of Western Australia, and the proud operator of Ichthys LNG.**

## ***INPEX – our business in the Kimberley***

INPEX, on behalf of the Ichthys LNG joint venture participants, is the proud operator of Ichthys LNG, one of Australia's largest and most complex oil and gas developments. The Kimberley is the closest mainland region to the Ichthys gas and condensate field, located in the Browse Basin approximately 220 kilometres off the Western Australian (WA) coast and about 450 kilometres north east of Broome.

Ichthys LNG consists of two major offshore floating processing facilities – the 'Ichthys Explorer' central processing facility (CPF) and 'Ichthys Venturer' floating production, storage and offloading facility (FPSO), drilling operations, an 890-kilometre gas export pipeline, and onshore processing facilities located on the outskirts of Darwin in the Northern Territory.

Ichthys LNG commenced production in 2018 and celebrated 500 overall cargoes in mid-July this year. As of 1 September 2021, Ichthys LNG has produced 308 liquefied natural gas (LNG), 82 liquefied petroleum gas (LPG), 87 field condensate and 55 plant condensate cargoes. The field condensate is shipped directly to international markets from the Browse Basin.

INPEX also has a joint venture participating interest in Prelude Floating LNG, which is operated by Shell and is also located in the Browse Basin.

The Kimberley is an important logistics hub for Ichthys LNG offshore operations, supporting marine supply vessels and workforce transfers via helicopters to our offshore processing facilities and the drilling rig.

Up to 50 wells in total will be drilled over the life of the Ichthys LNG project, with 18 wells completed in the initial phase.

Maersk has been contracted to conduct a second phase of Ichthys LNG drilling through to 2024, with the planned completion of 12 additional wells.

The Maersk Deliverer, an ultra-deepwater semi-submersible rig, arrived in the field in early 2020 to undertake this work. Drilling of the first well of the second phase was completed in the first half of 2021.

Phase 2 drilling operations are additionally supported onshore in Broome by the INPEX Toll drilling supply base and the Halliburton Liquid Mud Plant.

Equipment and materials are mobilised to and from the Maersk Deliverer using three supply vessels. Each of these vessels makes a port call roughly every seven days.

**(Continued over)**

Since the commencement of Ichthys LNG Phase 1 drilling operations there has been more than:

- 200,000 tonnes of cargo handled
- 52,000 lifts conducted at the Port of Broome
- 780 vessel port calls to supply equipment and materials required for drilling operations.

Ichthys LNG has been transporting personnel to the Browse Basin through Broome and the Dampier Peninsula (Djarindjin Airport) for many years.

In April 2020, INPEX relocated personnel transfer operations from Broome to the Mungalu Truscott Airbase (Truscott) in a tightening of protections against COVID-19 spread in the Kimberley. Flights continued out of Truscott until February 2021, when INPEX returned to its pre-COVID-19 transfer arrangement through Broome and Djarindjin heliport.

## ***In focus – major maintenance shutdown completed***

In mid-2021, Ichthys LNG safely conducted its first major scheduled maintenance shutdown since the commencement of operations in 2018.

Equipment maintenance and regulatory inspections were conducted at the onshore processing plant in Darwin and offshore of the Kimberley region on the Ichthys Explorer CPF and the Ichthys Venturer FPSO.

The facilities were safely opened, inspected, repaired and, in some cases, improved.

More than 1,800 personnel and 62 companies participated.

Undertaking this important activity during the COVID-19 pandemic required long-term planning and collaboration across INPEX teams and contractors,

Since January 2020, INPEX Australia has continued to monitor and respond to the COVID-19 pandemic. We take the health and safety of our personnel and communities in which we operate very seriously. The INPEX Pandemic Advisory Group meets fortnightly, continually monitoring and managing the changing landscape and responding to COVID-19 impacts to health or ongoing safe operations as they arise. INPEX has continued to work closely with state and federal governments, health authorities, the WA Police and industry bodies such as the Australian Petroleum Production and Exploration Association (APPEA) and the Chamber of Minerals and Energy WA to ensure best practice controls are in place.

Currently, a workforce of about 330 personnel is working on our offshore facilities, with up to 180 personnel on the CPF and 150 personnel on the FPSO. An additional 180 workers are required for this year's drilling campaign.

in particular to ensure workforce health and safety and to support logistics activities.

Transport of Offshore Operations personnel and 100 additional shutdown workers was coordinated from Broome and Djarindjin airports. Several highly specialised skilled workers were pre-mobilised in Broome in advance of transport offshore to avoid possible delays in undertaking this critical work.

During the shutdown period, we were also pleased to be able to support six TAFE apprentices from remote communities with accommodation during their block training in Broome.



## ***In focus – upcoming offshore activities***

### **Ichthys LNG's next phase**

Ichthys LNG's Phase 2 project is designed to support expansion plans that will ensure long-term production from the Ichthys gas and condensate field.

The project is progressing well, with the first offshore campaign successfully completed earlier this year.

The second offshore campaign is due to commence in late September 2021, with INPEX's contractor McDermott preparing to conduct a program of pipeline and manifold structure installation. The pipelines and structures form part of the infrastructure that will connect two new drill centres

and six wellheads to the Ichthys Explorer CPF, one of the existing floating processing facilities in the field.

The upcoming campaign requires the use of a specialised pipelay vessel, the DLV2000, and five support vessels.

The campaign is expected to run for approximately 70 days and will be supported for the duration by the Port of Broome.

Further offshore campaigns are planned for 2022 and 2023 to install and commission the remaining infrastructure to connect the six wellheads to the CPF.



*DLV2000 (Credit: McDermott)*

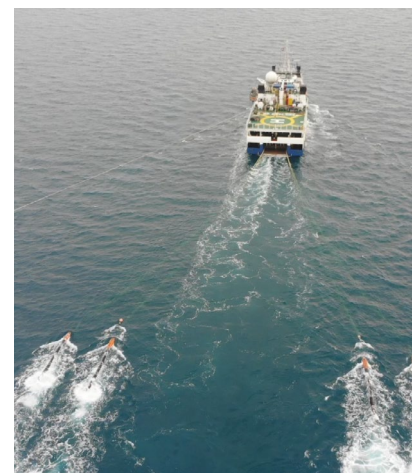
### **INPEX exploration campaign**

Late in 2021 into early 2022, a seismic survey vessel will acquire data in two offshore exploration permits in the offshore Canning and Browse basins.

This activity will operate out of the Port of Broome and the timing has been chosen to minimise environmental impacts. The activity is being conducted in accordance with an accepted offshore environment plan, which can be viewed on the National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA) website ([www.nopsema.gov.au](http://www.nopsema.gov.au)).

A seismic survey consists of a compressed air source which emits acoustic energy below the surface and behind the vessel. The resultant sound reflections, from both the seabed and the layers beneath the seabed, are recorded by hydrophones spaced out along a 6- to 10-kilometre-long streamer being towed behind the vessel. The process allows for the creation of a map of the earth's subsurface (below the seabed). This map is then used to optimise the likely locations of oil and gas, integrating various other geological information.

Allowing for unforeseen circumstances, such as adverse weather or unexpected environmental protection constraints, the campaign should be less than 210 days with expected operational time of approximately 140 days.



*Seismic vessel towing streamer (Credit: BGP)*

## Community investment in the Kimberley

### Supporting education and training

INPEX focuses its community sponsorship and investment activities on community development initiatives that reflect our corporate values and business objectives.

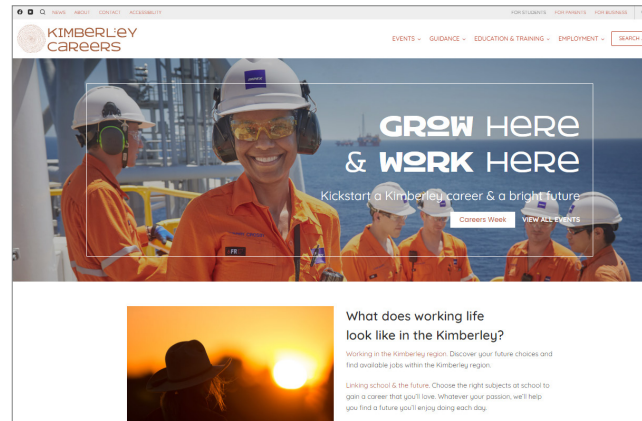
As operator of a 40-year project in Australia, we realise the importance of investing in the workforce of tomorrow – not just for our own business activities, but for the broader communities in which we live and operate.

We aim to support practical education and training outcomes through community investment funding and in-kind support, with a focus on initiatives (programs or events) that help young people to remain engaged in and complete school, help develop career-relevant skills and knowledge, and/or provide opportunities to increase awareness of and exposure to different career options, including in our industry.

Over the past year, INPEX and INPEX-operated Ichthys LNG joint venture have been pleased to support education and training initiatives in the Kimberley region.

In 2020, Ichthys LNG joint venture supported the development of the Kimberley Careers website ([www.kimberleycareers.com.au](http://www.kimberleycareers.com.au)), which was conceived through a collaboration between the Broome Jobs and Skills Centre, Broome Senior High School and the Kimberley Regional Education Office in response to COVID-19-related impact on the annual Kimberley Career Expo.

Launched earlier this year, the website will provide a virtual platform for future careers expos (allowing remote access to the event and exhibitors) and is also a permanent and interactive resource to connect students and job seekers with employers.



*Kimberley Careers website landing page*

During 2021, INPEX also provided funding through the Kimberley Education Regional Office to purchase personnel protective equipment (PPE) kits for use by remote high school students travelling into Broome and Derby to undertake the practical components of their vocational education and training (VET) courses.

The PPE kits, comprising workwear, boots, gloves and safety glasses, will be maintained by the high school VET departments in each jurisdiction to be provided to students when they visit for training.

*Remote community students undertaking training at North Regional TAFE (Credit: Broome Senior High School)*



## Community investment in the Kimberley

### Supporting local business

INPEX-operated Ichthys LNG joint venture was pleased to announce a new community partnership with the Broome Chamber of Commerce and Industry (BCCI) in 2021.

This partnership has been established under INPEX Australia's community investment strategy to support initiatives that help strengthen the capability of local businesses and promote economic diversification in the communities in which we operate.

Over the coming year, the partnership will support a range of BCCI programs and activities, including the "Grow Local" business program, capacity-building workshops and key business events including the 2021 Business Excellence Awards and 2022 Women's Leadership Forum.

We look forward to working with BCCI on these initiatives and other opportunities that may come to light.



INPEX and BCCI representatives commemorated the new partnership in June

### Supporting community events

INPEX and Ichthys LNG joint venture were proud to support a number of grassroots activities in the region in 2021.

We prioritise our support for initiatives that bring together, connect and empower the community.

Some of the events supported since our last update include the 2020 Shire of Broome Chinatown Christmas Trails, 2021 Women's Leadership Forum, Kullarri NAIDOC Festival and A Taste of Broome Festival (ATOB).



2020 Chinatown Christmas Trails (Credit: Shire of Broome)



2021 Women's Leadership Forum (Credit: BCCI/ Abby Murray)



2021 Kullarri NAIDOC Festival (Credit: Goolarri Media)



Kimberley Indigenous Performing Arts Showcase (ATOB) (Credit: Goolarri Media)

## ***In focus – John Bin Sulaiman, Ichthys Venturer FPSO***



Local Broome man, John Bin Sulaiman, joined INPEX's Solid Pathways Program (SPP) in May 2021 as an operations mechanical technician. Following four years spent completing a Mechanical Fitter apprenticeship through the National Energy Technician Training Scheme (NETTS), the former Broome Senior

High School graduate feels privileged being able to work on the Ichthys Venturer FPSO.

The SPP provides learning and developmental employment opportunities to Aboriginal and Torres Strait Islander individuals to work in the oil and gas industry. The program's participants receive on-the-job support and external training for 12 to 18 months, in preparation for potential long-term direct employment with INPEX.

As a descendent of the Yawuru, Bardi and Ngarluma peoples, John is grateful for the opportunity to live in his hometown of Broome and to commute to his workplace via helicopter without an additional plane flight.

John said he was initially uncertain as to what to expect when he commenced his first roster on the FPSO. However, the feeling quickly subsided as his work team is very supportive and this made the transition easier.

While on his work breaks offshore, John enjoys playing table tennis with his colleagues and especially enjoys honing his skills on the racing simulator.

The favourable roster offered by INPEX is an added bonus for John as it enables him to spend extended periods at home with his family and friends, enjoying the outdoor lifestyle Broome has to offer.

For other Broome locals wanting to enter the oil and gas industry, John recommends exploring all the opportunities on offer, and be willing to leave home to gain additional skills.

## ***In focus – Dianne Deegan, Ichthys Venturer FPSO***



Dianne Deegan, a Nykina woman from the Kimberley region, has embraced a sea change since taking up the role of Offshore Service Technician on the Ichthys Venturer FPSO.

After working in WA's Pilbara mining sector for seven years, Dianne's dedication and persistence in a male-dominated environment led to her

becoming the first Aboriginal female open crane operator in Australia in 2012.

Fast forward to August 2019, Dianne was successful in gaining an opportunity through INPEX's Solid Pathways Program (SPP) which provided an entrance point into the offshore oil and gas sector.

After two years of on-the-job training, Dianne was deemed proficient in the requirements for an offshore service technician and transitioned into a permanent role with INPEX.

"I absolutely appreciate the new role. The FPSO crew is very supportive and happy to share their knowledge with me. The roster is fantastic and very family friendly," Dianne said.

"To top it off, how many people can say they catch a helicopter to and from work?!"

The SPP has been a catalyst for Dianne and other program participants to successfully develop the skills to work and develop their careers within the oil and gas industry.



## ***In focus – Jeff Hall, Halliburton Liquid Mud Plant***



When he is not supplying the drilling fluids and cement products that are, literally, needed to ensure the smooth operation of the Ichthys LNG drilling program, Jeff Hall likes nothing better than making the most of the Broome lifestyle.

Like many parents in Broome, Jeff's time off includes volunteering,

coaching kids' sports, and plenty of fishing and camping.

Relocating from Perth to Broome with his young family 15 years ago to work in the oil and gas industry, Jeff started work with Halliburton in 2019. The Halliburton Liquid Mud Plant in Broome was completed in January 2020 to support Ichthys LNG, but wasn't fully operational until 2021 due to COVID-19-related impact on the Ichthys LNG offshore drilling program.

While now having a busy work schedule, Jeff still enjoys the best of both worlds.

"Living and working in Broome has given me the opportunity to be a part of the little things in life that I would have missed working away from home," Jeff said.

"I also enjoy the challenges of the job – the planning and logistics of servicing Ichthys LNG whilst ensuring that we all work in a safe environment and return home at the end of each shift.

"The Halliburton Broome plant is an integrated fluids and cementing supply base, providing bulk drilling and completion fluids, bulk barite and bentonite, bulk cement, and a comprehensive range of drilling, completion and cementing chemicals to support the Ichthys LNG well construction operations. All bulk liquids are blended onshore at the Broome site, transported to the Port of Broome in road tankers, then shipped offshore to the drilling rig on dedicated supply vessels.

Jeff leads a team of eight locals at the plant and encourages others in the community to join the industry.

"There are opportunities for work experience and development within the Halliburton Broome plant which can lead to offshore experience or even employment with Halliburton around the world when opportunities arise."

## ***In focus – Sonny Dann, PHI Search and Rescue***



*Sonny Dann (left), with fellow cadets*

Sonny Dann, a Nyul Nyul and Yawuru man from Broome, recently commenced an exciting new cadetship with PHI International as a Search and Rescue (SAR) Rescue Crewperson (RCP).

The SAR RCP is the crew member who is deployed from a helicopter to rescue people in any environment and weather.

As one of four new cadets, Sonny is learning the dynamic skills involved in performing rescues in a calculated and safe manner through class-based lessons and organised training flights during the 12-month program.

Sonny said the experienced crew he is working with are patient, understanding and never hesitate to pass on valuable knowledge from their experiences.

"It's been a whirlwind of a change for me. I never thought I would be doing what I am doing now. At the start of this year, I was working as an education assistant at the school I went to as a child," said Sonny.

"At this moment, I'm focusing on building healthy relationships with my work crew, developing my skill set as an RCP and successfully completing the cadetship."

"As a local, I feel very lucky to have been given this opportunity. I know there were plenty of worthy candidates for this role. I feel very blessed.

"When he is not working, the proud father of two young children enjoys camping and fishing with family out on country, surrounded by the people who matter the most.

PHI International is a premier helicopter-transport provider in offshore operations in Australia, New Zealand, Africa, Europe and throughout Asia and provides transport and SAR services to Ichthys LNG.



# Celebrating 500 cargoes

## Thank you, we couldn't have done it without you

On behalf of INPEX-operated Ichthys LNG and its joint venture participants, thank you to the Kimberley community, the families supporting our operations, our partners, contractors and local businesses for assisting us in achieving 500 cargoes. We celebrate this milestone together.

This incredible achievement is testament to the

hard work and tenacity of all our teams, and their commitment to maintaining safe and stable production. With each cargo, we contribute to the stable supply of energy globally and support a brighter future for our local communities in Western Australia, through jobs, economic benefits and community investment.

*Celebrating Ichthys LNG's 500 cargoes, as featured in the Broome Advertiser, 22 July 2021*

*Ichthys LNG is a joint venture between INPEX group companies (the Operator), major partner TotalEnergies, and the Australian subsidiaries of CPC Corporation Taiwan, Tokyo Gas, Osaka Gas, Kansai Electric Power, JERA and Toho Gas*

*INPEX Corporation is Japan's flagship energy company. Engaged in projects located in approximately 20 countries worldwide, INPEX is listed on the Tokyo Stock Exchange, and 18.9 per cent owned by the Japanese Government. INPEX is committed to managing the business activities responsibly in all countries in which we operate, and to playing our part in achieving the Sustainable Development Goals.*



### Community enquiries

Please contact us with any enquiries or questions on 1800 705 010 or [enquiries@inpex.com.au](mailto:enquiries@inpex.com.au)

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