



CAPABILITY STATEMENT



The leader in pipeline construction, associated facilities and Horizontal Directional Drilling (HDD), servicing the energy, resources and utilities sectors.



FOCUSED ON THE LOCAL COMMUNITY

Offering employment and training opportunities to local people, as well as supply-chain opportunities to local companies is a priority. Local individuals gain skills alongside Spiecapag's experienced project staff and contribute to our projects' success.



GLOBAL BEST PRACTICE

Working on projects across the globe, Spiecapag can genuinely offer continuity to key staff. This builds a strong corporate memory, allowing us to retain best practice knowledge that de-risks complex projects.



FLEXIBLE & COOPERATIVE LEADERSHIP

Spiecapag has the experience to quickly integrate with, and work alongside other businesses, be they other contractors, joint-venture partners, or financiers. This allows resources to be quickly focused on delivering successful outcomes.

Spiecapag Australia is a leading pipeline construction company headquartered in Brisbane, Queensland. A subsidiary of VINCI Construction, Spiecapag brings over 100 years of experience and expertise in the construction of **on-shore and near-shore pipelines and associated facilities** to the Oceania market.

Servicing the energy, resources and utilities sectors, Spiecapag has established a reputation for delivering high-quality, cost-effective, and sustainable infrastructure solutions in the most challenging environments. To ensure our customers consistently receive high quality products and services, in 2022 Spiecapag Australia implemented and continues to maintain a Quality Management System certified to ISO 9001:2015.

Spiecapag provides an extensive range of services covering **design, engineering, procurement, construction, project management, training, commissioning, operations and maintenance**. It operates to international standards and over the years has constructed more than 60,000km of pipelines and supporting infrastructure, including compression, pumping and metering stations, hydrocarbon storage systems, and water supply and distribution networks, in over 60 countries. Its current workforce totals more than 700 staff, across two offices in Brisbane (headquarters) and Perth, and five different active projects.

Spiecapag Australia includes HDI Lucas, a leader in Horizontal Directional Drilling (HDD) for the installation of pipes and conduits beneath artificial and natural obstacles. This technology minimises the disruption to infrastructure and/or the environment, achieving crossings where traditional open trench pipelining is not possible.

HDD technology is particularly valuable for the construction of shore approaches - from sea to shore (landfalls), significantly reducing the impact on coastlines. HDI Lucas is responsible for executing some of the most challenging HDD projects in the world.

Spiecapag is dedicated to the highest standards of Health & Safety, underscored by its comprehensive Health & Safety policy. The company is also deeply committed to environmental stewardship, as reflected in its robust Environmental Policy. In recognition of its unwavering commitment to these areas, Spiecapag Australia has been awarded the ISO 45001:2018 Occupational Health & Safety Management System certification and the ISO 14001:2015 Environmental Management System certification, demonstrating its adherence to internationally recognised best practices in occupational health, safety, and environmental management.



FINANCIAL STABILITY

Part of the VINCI Group that has an annual turnover of \$113 billion, with a credit rating of A- by Standard and Poors, and A3 by Moody's, Spiecapag is capable of delivering the largest projects.



SAFETY & ENVIRONMENT

A high focus on safety and environmental performance means that our workers go home safe at the end of every day. This culture supports reliable project delivery.



INNOVATION

Bring new ideas to the table, be they in delivery partnerships, safety, quality, procurement & logistics, community engagement, financing or contracting to deliver the best solutions.



PLANT & PEOPLE

Spiecapag's in-house, specialist pipeline plant is overseen by our experienced project managers and site supervisors. This streamlines mobilisation and efficient use of resources.

SPIECAPAG

[Spee-cah-pag]

noun

WHAT WE DO

- Engineering and Design
- Procurement and Supply Management
- Construction and Project Management
- Commissioning and Start-up
- Constructability reviews/FEED Support



ONSHORE PIPELINES

- Installation, Repair and Replacement
- Oil & Gas
- CO₂/Hydrogen
- Cryogenic liquids
- Water
- Wastewater
- Slurry



HORIZONTAL DIRECTIONAL DRILLING

- Shore crossing (landfall/outfall)
- Creeks, rivers and large water bodies crossing
- Roads and railways crossing
- Services crossing
- Urban or residential areas crossing
- Other trenchless crossing



ABOVE GROUND FACILITIES

- Main Line Valve stations
- Metering stations
- Pump stations
- Scraper traps/receivers
- Pressure reduction assemblies
- Reservoirs and storage facilities



CONSTRUCTABILITY STUDIES

- Route selection
- Cost estimating
- Planning Strategy
- Cold eyes review
- Feasibility studies



CABLES INSTALLATION

- Off-shore windfarm cables landfall
- HV Power/Communication cables shore crossing
- Support to off-shore cable pull-in
- Onshore HV Power/Communication cables pulling
- Trenching, conduits installation, and civil works



"Spiecapag repeatedly demonstrated their experience as an expert pipeline constructor, with strong local management and safety processes, working alongside other contractors."

Andrew Down, Project Manager - Northern Trunklines, QCLNG Project, BG Group/Shell

"Jemena found Spiecapag to be experienced and skillful in the delivery of the works, particularly in light of the mountainous and challenging terrain. Spiecapag were very focused on working with the local stakeholders and delivered against the project commitments for time, cost, and importantly for us, our local commitments for indigenous jobs and contracts."

We would definitely consider Spiecapag for any future work we have."

Paul Bilston, Pipeline Project Manager - Northern Gas Pipeline Project, Jemena

Spiecapag has completed some of the most challenging pipeline construction projects in the world, and these have been achieved by continually pushing the boundaries of construction through innovative design and systematic construction techniques. We maintain a fleet of specialised equipment, specifically designed to safely deliver, irrespective of the challenges presented by the location or terrain.

Fields of expertise

- » Onshore and near-shore pipelines for the oil & gas sectors including compression, pumping and metering stations
- » Water supply and distribution networks
- » Pump stations and tailings dams
- » Slurry, fuel lines and mining transfer pipelines.

ONGOING PROJECTS

Kurri Kurri Lateral Pipeline & Facilities Project

Client: APA Group

Location: New South Wales

To be completed in: 2025

The Kurri Kurri Project is a buried gas transmission pipeline and storage pipeline that will connect the proposed Hunter Power Project at Kurri Kurri, near Newcastle in New South Wales, to the existing Sydney to Newcastle pipeline. This is a complex suburban project that will require seven HDDs, eight thrust bores, nine creek crossings and associated facilities works alongside conventional trenching techniques. As the main contractor, Spiecapag will deliver three main components:

A medium-pressure (up to 6.9MPa) Lateral Pipeline consisting of approximately 21km of DN350 carbon steel pipe and one Main Line Valve assembly connecting the Jemena Gas Network offtake facility to the compressor station.

A high-pressure (up to 15.3MPa) Storage Pipeline consisting of approximately 24km of DN1050, carbon steel pipe located downstream of the Kurri Kurri Storage Station. The pipeline will have approximately 100TJ of gas storage capacity and will supply the Hunter Power Station.

A high-pressure (up to 15.3 MPa) Interconnecting Pipeline consisting of approximately 1.3km of DN350, carbon steel pipe connecting the Kurri Kurri Storage Station to the Kurri Kurri Storage Pipeline.

Jansz-lo Compression Project

Client: Chevron

Location: Barrow Island, Western Australia

To be completed in: 2025

The Jansz-lo Project is a life extension activity, providing compression to the Jansz-lo gas field to maximise recovery from the reservoir and maintain plateau supply to the Gorgon LNG plant. The Jansz-lo field is located approximately 130km north-west of Barrow Island in Western Australia in water depths of approximately 1350m.

Spiecapag has been contracted to install, by way of Horizontal Directional Drilling, three 550m shore approaches consisting of DN630 HDPE to house the umbilicals, including two onshore trenches to facilitate umbilical pull-in and cut-over to existing infrastructure.

The project scope also includes civil works on the North-West of Barrow Island to construct the HDD pad, lay-down area, seawall, anchorage and seawater supply for drilling; onshore trenching and excavation, installation of pre-cast concrete and assisting with umbilical pull-in; as well as rehabilitation works/reinstatement.

Lihir Ground Stabilisation Project - MOSA JV

Client: Newmont

Location: Papua New Guinea

To be completed in: 2025

The Lihir Ground Stabilisation Project is a first-of-a-kind, and highly technical project undertaken in partnership with Spiecapag's sister company, Menard Oceania. It consists of securing a benched retaining wall with cabled strength anchors in a geothermally active environment to enable gold mining operations to continue in the adjacent pit. There are five benches to be stabilised with a total of 2,900 holes to be drilled in and rock anchors to be installed. The overall retaining wall will reach 240m in height.



~100 YEARS
of experience
globally

+60,000 km
of pipelines
built globally



PAST PROJECTS

Western Outer Ring Main Project (2024)

Client: APA Group

Location: Melbourne, Victoria

The Western Outer Ring Main project is a high-pressure, buried gas transmission pipeline, which provides a new connection between pre-existing pipelines at Plumpton in Melbourne's west and Wollert in the north. The project also included an upgrade to the existing compressor station at Wollert.

As the main contractor, Spiecapag delivered the construction of the 51km DN500 high-pressure steel pipeline - with external epoxy coating, partially laid in existing easement (approximately 8km, Wollert to Wodonga Pipeline) and the rest in greenfield easement.

Following extensive consultation with landowners, occupiers and other stakeholders, the final alignment was selected to minimise impacts. The topography of the route was generally flat; however, there were several very steep gullies at creek crossings. The project included 3km of trenchless crossing including seven HDDs (six of them major waterway crossings) and twelve bores.

This project mobilised 300 staff, 75% originating from the project area. 80% of the equipment procured also originated from the Melbourne area.

Kewdale White Oil Line Project (2023)

Client: NEWest Alliance

Location: Western Australia

The Kewdale White Oil Line (KWOL) project entailed the relocation of a 13km pipeline from BP's Kwinana refinery to the Kewdale Freight Terminal of Perth Airport, a requirement arising from the Thornlie Cockburn Link railway project.

Spiecapag was contracted for detailed design and construction of the new DN300 oil pipeline to be installed through Perth's southern suburbs. A congested construction corridor (<5m wide) as well as proximity to local residences led to a concept design with over 90% of the pipeline to be installed using HDD bores.

Over 12km of the pipeline was constructed using the HDD method across eleven crossings, eight of which exceeded 1km. Each crossing was complex in nature, affected by adjacent railway activities, magnetic interference, limited work area and challenging geology. This was one of the largest HDD projects completed in a single pipeline in Australia.

Simberi (2022)

Client: Saint Barbara Gold Mine

Location: Papua New Guinea

Saint Barbara Gold contracted Spiecapag for the renewal of their 500m+ DN1000 HDPE Deep Sea Tailings Pipeline and their seawater intake pipeline. The pipeline had been in service since 2007 and ran from the process facility in Pigiput Bay south-east out to the seabed. Initially our scope involved welding the new pipeline, stringing and fitting ballast to allow the mine to restart operations, however due to a new bathymetric survey, the alignment was radically redesigned.

The new alignment increased the complexity of the scope and we provided custom designed and fabricated new restraining and support mounts. We worked with St Barbara to develop a new solution and were able to continue the replacement operations without significant delay.

The new pipeline and route included several turns and many more ballast blocks required additional towing capacity. Spiecapag co-ordinated the increase in scope and managed the towing and final sinking utilising six vessels.

Channel Island Bridge Pipeline (2021)

Client: APA Group

Location: Northern Territory

This project required the installation of a 1.4km DN300 pipeline via HDD between Channel Island, where the Channel Island Power Station is located and the Darwin mainline. The HDD crossing under the waterway was completed through varying geology up to 250MPa rock strength. The profile was very complex with a compound curve arrangement completed to minimum pipe bending radius during the last 400m of the crossing.

"Spiecapag's efforts in completing the Atlas project within expected time-frames were greatly appreciated. I would not hesitate to recommend working with Spiecapag again in the future."

Sam Stephenson, Mechanical & Piping Engineer
Eos Export Pipeline, Senex Energy

Works included modifications to existing station piping at Darwin City Gate and the Channel Island Meter Station facilities to install pig launching and receiver facilities along with gas filtration and an upgrade to monitoring instrumentation.

Mardi to Warnervale Water Pipeline (2021)

Client: Central Coast Council

Location: New South Wales

The \$39 million Mardi to Warnervale Project comprised the construction of an 8.9km DN1000 water pipeline from the Mardi Water Treatment Plant to Sparks Road in Warnervale; crossing road reserves, council land, private land and sensitive environmental areas demanding the use of trenchless technologies.

The Mardi to Warnervale Pipeline was made up of a multitude of intricate engineering projects split into twenty-three different sections. Key to this success was drawing from the joint venture's strengths such as the pipeline expertise and experience of Spiecapag, trenching and HDD activities of their subsidiary HDI Lucas, along with Seymour Whyte's experience in subcontractor management, roadwork, brownfield roadworks, traffic control covering the thrust bore, civil and structural activities.

The project was key to securing the future water needs of the Central Coast community. It will service projected expansion in the major northern growth corridor including Warnervale Town Centre and surrounding greenfield subdivision sites. It will also enhance bulk water transfers between the Central Coast and the Hunter Region, enabling better planning for future water resourcing and helping both regions better manage potential future drought conditions.

Port Kembla Gas Terminal (2021)

Client: Australian Industrial Energy (AIE)

Location: New South Wales

Spiecapag were engaged by the terminal developer AIE in early 2020 for the early design and

constructibility review through an ECI.

In the early stages we carried out a FEED verification that identified potential changes to the design. These were further investigated and produced cost savings in the order of \$1.5M for the client AIE.

There were several environmental challenges on the project that could have impacted securing an Environmental Protection Licence for construction. These were identified early with strategies to mitigate as they would have caused significant delays if left until after award, placing AIE at risk of delayed gas delivery.

Developing the detailed scope of works in advance has helped AIE better understand Third Party and Stakeholder requirements and influences to finalise their agreements with NSW Ports, Port Kembla Coal Terminal and Jemena.

Atlas Lateral Pipeline (2019)

Client: Jemena

Location: Surat Basin, Queensland

In the wake of the successful Northern Gas Pipeline Project, Spiecapag was invited by Jemena to participate in the early stage development of the Atlas Project. This included providing constructability input on the design to enable the client to optimise the pipeline route and construction timeline.

In just five months Spiecapag delivered 60km of DN200 high-pressure steel gas pipeline, connecting the new Atlas compression station to the existing Jemena's Darling Downs Pipeline. Our mainline construction crews were able to average 2.5km/day, while maintaining the highest standards of safety and quality. Construction of the pipeline required thirty-eight watercourse crossings, seventeen live service crossing and five road crossings using a variety of techniques such as HDD, Auger Bore and traditional open cut trenching.

As principal contractor, Spiecapag was responsible for all construction aspects of the project – including survey, clear & grade, pipe handling, trenching, welding, lowering in, testing and rehabilitation.

Northern Gas Pipeline (2018)

Client: Jemena

Location: Queensland

Spiecapag was contracted to deliver the 143km DN300 steel gas pipeline and associated crossings, civil and mechanical works for the Queensland section of the NGP Project. The scope of work included a start of line receipt/compressor station, three Main Line Valve (MLV) facilities along the pipeline, an end of line delivery station, and five cathodic protection stations.

Due to land access restrictions at the Mount Isa (Eastern) end of the pipeline, Spiecapag was required to perform the works from west to east. This involved a full camp and laydown area to be constructed beforehand. The camp mobilisation and construction schedule was critical and Spiecapag pulled out all the stops to ensure this was performed in an expedient manner. A significant portion (20%+) of the workforce was local and employed from the Indigenous communities in the area.

Victoria Northern Interconnect Expansion (2017)

Client: APA Group

Location: New South Wales/Victoria

Spiecapag was awarded the contract for the construction of 165km of domestic gas looping pipelines comprising 95km of DN400 pipe in Victoria and 70km of DN450 pipe in NSW. Overall the project included seven loops, spread over 500km, two of which were in NSW and five in Victoria. The entire pipeline was constructed within the easement of an existing high-pressure pipeline. Detailed engineering analysis was undertaken and strict processes put in place to guaranty the integrity of the existing line throughout the project.

As the loops were spread over 500km, three offices and logistics yards were established in Young (NSW), Wangaratta (VIC), and in Cootamundra (NSW).

The full scope of the works included six Main Line Valves, scraper stations, pig launcher, receivers associated pipe supports, civils works and E&I works in the facilities compounds, eleven tie-ins, four railway crossings, and thirty-eight HDD road crossings.

PNG LNG (2014)

Client: ExxonMobil

Location: Papua New Guinea

The PNG LNG Project was a major project designed to develop gas and liquid hydrocarbon resources located in the Hides region, in the Southern highlands of PNG.

Over five years, Spiecapag was involved in the design, procurement and construction phases, delivering over 450km of onshore pipelines that transport natural gas from the Hides Gas Conditioning Plant (HGCP) to the Omati River where it connects to the offshore pipeline and the condensate product from HGCP to Kutubu CPF.

The scope of the work included a gas main line of 266km of DN800, 27km of DN860, 2km of DN300 and 10km of DN250 of gas pipelines, as well as 109km of DN200 condensate pipeline. These were built through some of the most varied and challenging terrain imaginable and at a time when there was no supporting infrastructure or road networks in PNG.

Trunklines North Pipeline (2014)

Client: QGC

Location: Queensland

Spiecapag completed the construction of 51km of gas pipelines (DN350, DN400 and DN500); 167km of buried high-voltage cables; 23km of water pipeline (DN600, MSCL); and 84km of fibre optic cable as part of the upstream portion of works for the larger QCLNG project.

The project successfully delivered one hundred and fifty-five crossings of road, water courses, or existing pipelines, with forty-five special crossings carried out under strict permit-to-work conditions. Mid-line isolation valve assemblies, above ground pressure regulating stations (including duty and standby runs, isolation valves, drain valves, pressure indicators, pressure transmitters, and solar powered RTU's), high point vents and scour outlets were installed by dedicated crews or subcontractors directly managed by Spiecapag.

The water pipeline was completed with zero defects, and all seven hydrotest sections passed at the first test. Most importantly, the project was completed with zero incidents and a TRIFR of 0.00, thanks to the implementation of project-specific safety initiatives developed in house.

VNIE
165km
Gas Pipeline
Victoria & NSW



NGP
142km
Gas Pipeline
Queensland



EGP
293km
Gas Pipeline
Western Australia



QCLNG
246km
Gas/Water/
HV Cabling
Queensland



PNG LNG
450km
Gas Pipeline
Papua New
Guinea



HORIZONTAL DIRECTIONAL DRILLING

Trenchless installation of pipelines, cables and conduits under natural or artificial obstacles

Thanks to decades of experience on thousands of projects around the world, HDI Lucas, a subsidiary of Spiecapag and sister company of HDI France, is a key player in the field of Horizontal Directional Drilling (HDD).

HDD allows pipelines and cables to be installed without impacting the surface along the route. Because the process replaces the need for open-cut trenches, the impacts on the surface are only focused on the entry and exit points.

Modern, adaptable and complementary equipment

HDI's drilling rigs offer a pulling capacity ranging between 35 and 400 tonnes. They allow for the installation of small size pipelines over short distances as well as large diameter pipelines (up to DN1400) over very long distances.

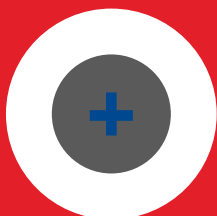
Rigs are trailer or crawler mounted and consist of a central beam rack with a carriage moved by pinions powered by hydraulic motors. Hydraulic rotary motors located on the carriage provide the necessary rotary force.

Each drilling rig has its own control cabin, steering kit, high pressure pump and other ancillary equipment, forming a complete and autonomous drilling spread. The HD 650 and HD 350 models are designed and manufactured in-house.

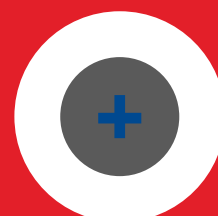


Advantages of Directional Drilling

- Construction permits are granted quickly
- Unrivalled protection for pipelines
- Surface traffic is not disrupted
- Minimises the environmental impact
- Cost and schedule optimisation
- Safety
- Ease of maintenance



**WORLD RECORD HOLDER
FOR LARGEST VOLUME OF
PIPE BY HDD IN A SINGLE
SHOT - 1,820M OF DN1200**



**OVER 2,000
HOLES DRILLED**



1987
First landfall drilled
by HDD
(ESSO – Bass Strait,
Australia)

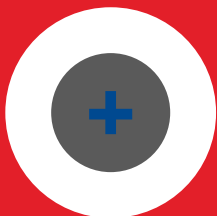
1991
First HDD
drilled in rock
(SNAM – Sicily, Italy
and TPC –
Niagara, USA)

1991
First DN1200 pipeline
installed by HDD
(GASUNIE – Canal Noord
Holland, Netherlands)

2002
First HDD over
2km in length
(DUKE ENERGY –
Tamar River, Tasmania,
Australia)

2012
World's largest HDD
Project, including 9
landfalls at
DN800
(CHEVRON – Gorgon
Gas Project, WA)

2018
Largest volume of
piping by HDD in a
single shot 1820m
of DN1200 pipe
(TAP, River Axios,
Greece)



2,000,000+
METRES INSTALLED

Oil & Gas

HDI Lucas has worked on many landmark projects in Australia, the Pacific and Asia.

- Kurri Kurri Lateral Project (NSW): Seven crossings of DN350, totaling 5.5km.
- Jansz-lo Compression Project (Barrow Is, WA): Four 550m landfalls up to DN630 HDPE casings.
- WORM (Melbourne, VIC): Seven crossings of DN500 totaling 4km.
- Channel Island (Darwin, NT): 1350m, 200MPa rock crossing.
- Kewdale White Oil Line (Perth, WA): Eleven crossings of DN300, totaling 11.85km.
- The Gorgon LNG Project (Barrow Island, WA): Nine 800m landfalls up to DN800.
- Tangguh LNG Project (West Papua, Indonesia): Three 2065m landfalls up to DN600.
- Hangzhou Bay Pipeline Crossing (Shanghai, China): Two 1750m landfalls up to DN600.
- Tamar River Pipeline (Tasmania): 2065m of DN200 in single crossing length.
- Tasmanian Gas Pipeline (Tasmania): Thirteen crossings with total length of 3350m.
- SeaGas Pipeline (SA & VIC): Eight crossings of dual DN350 & DN450 with total length of 3750m.
- Pohokura Gas Field Development (New Zealand): Two 1850m landfalls up to DN600.
- Casino Gas Field Development (VIC): Two 1650m landfalls up to DN600.

Electricity and Telecommunications

Our company has delivered multiple world firsts for telecommunications and power utilities. We have worked with our clients to bring fibre optic to the tops of rugged sandstone mountains and high-voltage electricity cables under waterways to protect them from inclement weather conditions. The use of HDD in these situations has increased service levels and reduced maintenance costs.

- EDF Garonne River (France): World first HDD for high-voltage (225kV) cable.
- Telstra Mount White (NSW): Optical-fibre duct - 2:1 height ratio gained over 400m.
- China Light & Power (Ma Wan Island, Hong Kong): Largest cable installation by HDD in 2001, with six separate 1400m crossings.
- Telstra Mount Sugarloaf (NSW): Optical-fibre cable drill, setting world record for height gained using HDD.
- TUAS (Singapore): Multiple 700m+ drills for fibre-optic ducts.

APPLICATIONS FOR HORIZONTAL DIRECTIONAL DRILLING

LANDFALLS

Landfalls using HDD are more and more frequent due to the advantages they offer compared to traditional open-cut techniques:

- No impact on environmentally sensitive coastlines or on coastal residential areas;
- Safe crossing of surf zones;
- Drilling at a sufficient depth to ensure protection of the pipeline against erosion.

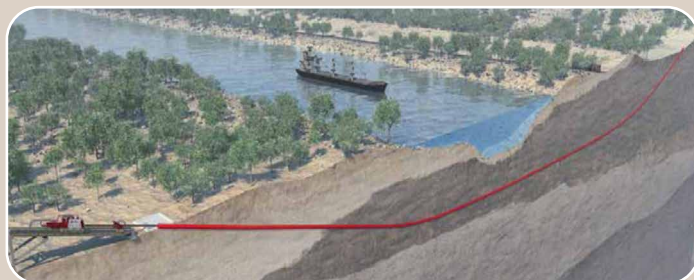


Trenchless installation of pipelines, cables and conduits under natural or artificial obstacles

Water, Sanitation and Minerals

HDI Lucas installs pipelines for the transportation of drinking water and waste water as well as water intake lines for desalination plants and discharge lines for sewage, following treatment.

- **TK2050 (Lihir Is, PNG):** Removal and replacement of 300m of DN1200 HDPE outfall pipeline.
- **Simberi (Simberi Is, PNG):** Replacement of a ruptured DN800 HDPE pipeline with a new 600m long DN1000 HDPE pipeline.
- **Mardi to Warnervale Pipeline (NSW):** Two 700m+ DN800 crossings.
- **Northern Interceptor (New Zealand):** More than 5000m of DN560 pipe over six crossings.
- **TK050 (Lihir Is, PNG):** Recovery and reinstallation of 200m of DN1200 HDPE liner pipe at a vertical depth of more than 100m.
- **Western Corridor Recycled Water Pipeline (QLD):** Four 1200m DN600 crossings.
- **Tauranga Southern Wastewater Pipeline (New Zealand):** 1600m of DN900.
- **Chatswood Graded Sewer Pipeline (NSW):** 1860m of DN820.
- **Illawarra Wastewater Transfer Pipeline (NSW):** 1962m of DN900.
- **Cascades Upper Blue Mountains Sewer Pipeline (NSW):** Two 2440m crossings with pipe diameters up to DN450.
- **Merewether Wastewater Pipeline (Newcastle, NSW):** 1350m of DN900.



ONSHORE OBSTACLES

Onshore obstacles are typically waterways (rivers, streams, canals, etc.), roads, motorways or railways. Many other applications are possible, such as crossing golf courses, residential areas, rock outcrops, airport runways, dump sites, quarries under operation, environmentally sensitive areas, etc.

VINCI COMMITS TO THE ENVIRONMENT

The VINCI Group is mobilising all its business divisions with an ambitious environmental strategy. We identified actions likely to improve the Group's environmental performance in three areas: greenhouse gas emissions, resource preservation by developing the circular economy and conservation of natural environments. This strategy will mobilise all of VINCI's operational entities to strive for:

- 40% reduction in CO₂ emissions by 2030.
- Alignment with the 2050 carbon neutrality commitment made by France as part of the Paris Climate Agreement.
- Commitments to boost the circular economy and preserve natural environments.

"With the deployment of its new environmental ambitions, VINCI today commits to developing concrete solutions that help improve the living environment to serve inhabitants, while also reducing the impact of its own activities. It is our responsibility as a leading economic actor, and it is also a guarantee of the continued survival and acceptability of our business activities."

Isabelle Spiegel,
Environment Director for VINCI

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