

RioTinto

Rio Tinto  
**Western  
Australia**





## Acknowledgment of Country

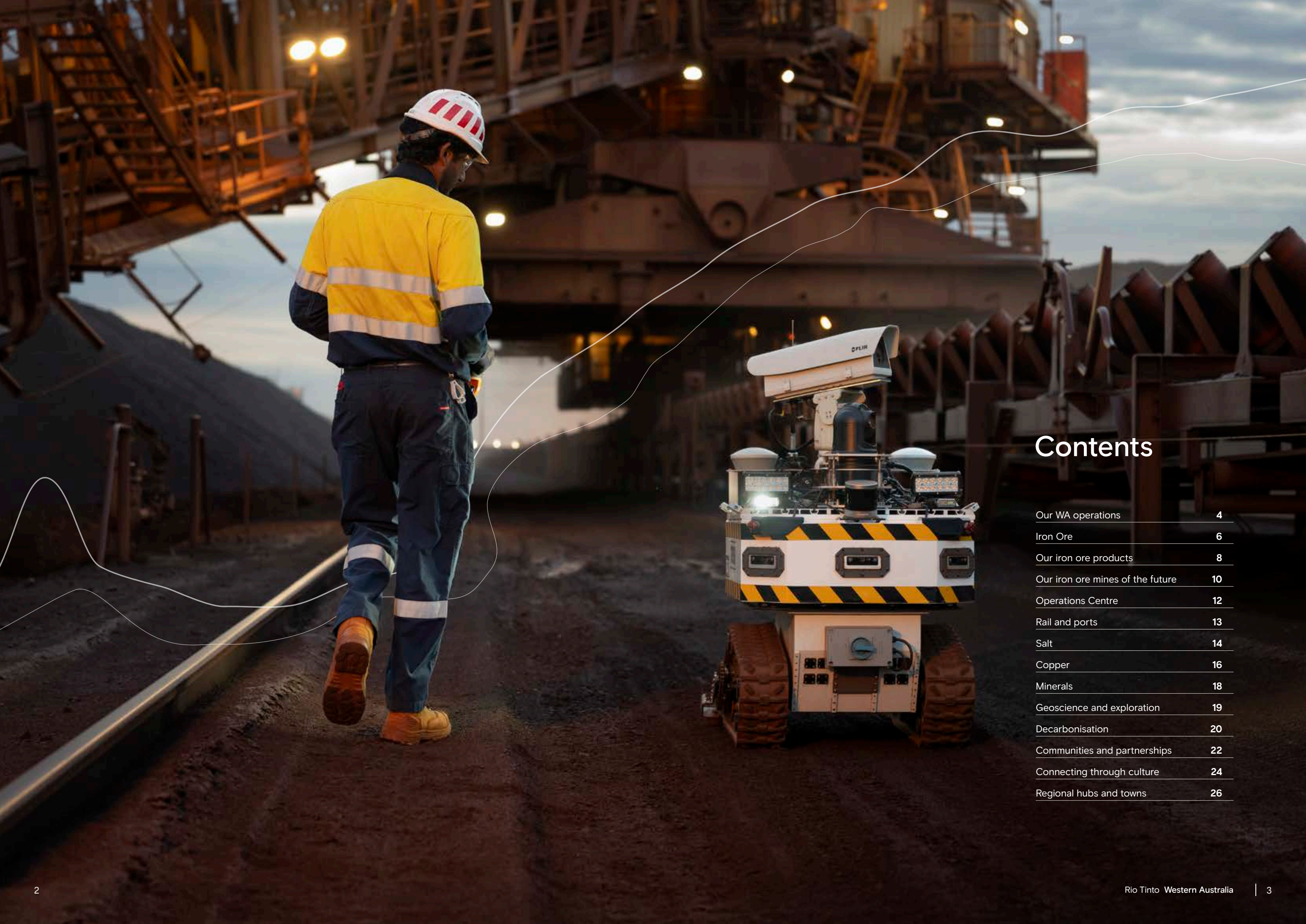
Our operations are located on land and waters that have belonged to Indigenous Australians for thousands of years. We respect their ongoing deep connection to Country and recognise the vast knowledge Indigenous Australians have of the land, water and environment.

### **In Western Australia we operate on:**

Banjima  
Gija  
Kariyarra  
Malignin  
Mardudhunera  
Marlinyu Ghoorlie  
Martu  
Miriwoong  
Muntulgura Guruma  
Ngadju  
Ngarlawangga  
Ngarla  
Ngarluma  
Nharnuwangga, Wajarri and Ngarlawangga  
Nyangumarta  
Niyaparli  
Puutu Kunti Kurrama and Pinikura  
Robe River Kuruma  
Wadandi Bibbulmun  
Whadjuk (Noongar)  
Wong-Goo-Tt-Oo  
Wularr  
Yaburara  
Yawuru  
Yindjibarndi  
and Yinhawangka Country

We pay our respects to Elders, both past and present, and further acknowledge the important role that Indigenous Australians continue to play within our business and communities.





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# Our WA operations

Rio Tinto has been in Western Australia for 60 years.

Our Pilbara operations produce iron ore and salt; we're progressing a copper-gold project; and we're exploring for deposits in the Hamersley Basin.

We put people at the heart of our business, to create a safe, respectful and inclusive environment – where we can achieve our goals, improve our operations and build our business for tomorrow.

We have a WA workforce of around 18,400 employees, including 10,200 fly in, fly out (FIFO).

We rely on dozens of communities and thousands of suppliers, around 2,400 of them in WA alone.





# Iron Ore

Rio Tinto is one of the world's leading iron ore producers and exporters.

We operate a network of 18 iron ore mines in the Pilbara – namely Gudai-Darri, Tom Price, Western Turner Syncline, Marandoo, Paraburdoo, Western Range, Eastern Range, Channar, Brockman 4, Nammuldi, Silvergrass, Brockman 2, West Angelas, Hope Downs 1, Hope Downs 4, Yandicoogina, Mesa A and Mesa J.

Our Iron Ore operations rely on 4 port terminals, 4 power plants and a rail network stretching nearly 2,000 kilometres (km) across the Pilbara – supported remotely by our Operations Centre in Perth.

**30,000**

contractors at our Iron Ore sites every year

**10,000+**

people in our villages every night

**24** villages

serving 13 million meals every year

**11,000** flights

a year from 15 airports

**210** buses

moving 3 million people every year

**2,700**

houses across our Pilbara towns

**6**

pastoral stations

*\*Statistics above are from the 2024 calendar year*





# Our iron ore products

We produce these mainstream iron ore products in WA:

## **Pilbara Blend™** Fines and lump

These high-grade products make up nearly 60% of our portfolio and are the world's most recognised iron ore brand. Pilbara Blend™ fines are used in steelworks as sinter plant feed and are the preferred iron ore in China. Pilbara Blend™ lump contributes to lower greenhouse gas emissions, as it is used directly without additional carbon intensive pre-processing.

## **Yandicoogina** Fines

This product has low impurities and produces a high-iron sinter. It is used by customers in East Asia and Southern China, as the base load in their sinter blend.

## **Robe Valley** Fines and lump

These products have a very low phosphorus content, which is required by higher end specialty steel products.

## **SP10** Fines and lump

These products are derived from the same orebodies as Pilbara Blend™ but are lower in iron grade, allowing us to maximise our system outputs.



# Our iron ore mines of the future

The Pilbara boasts some of the best iron ore deposits in the world, and we continue to find better ways to sustain production of our Pilbara Blend™.

We're working to progress the development of Rhodes Ridge. We're also developing other mine replacement projects in the Pilbara.

## Rhodes Ridge

The Rhodes Ridge project (Rio Tinto 50%) is one of the world's largest and highest quality undeveloped iron ore deposits.

In the long term it could support a world-class mining hub, with a potential capacity of more than 100 million tonnes of high-quality iron ore a year.

## Brockman Syncline 1

We are extending the life of our Brockman hub in the West Pilbara, by developing the Brockman Syncline 1 mine project.

Brockman Syncline will have the capacity to process up to 34 million tonnes per annum of iron ore, leveraging our existing plants.

Construction has started, with first ore expected in 2027.

## Hope Downs 2

We are developing this project (Rio Tinto 50%), to mine Rio Tinto and Hancock Prospecting's Hope Downs 2 and Bedded Hilltop deposits. The 2 iron ore pits will have a combined total annual production capacity of 31 million tonnes and sustain production from the Hope Downs Joint Venture into the future.



# Operations Centre

Our state-of-the-art Operations Centre in Perth allows the autonomous trucks, trains, plants and drills across our mines, ports and rail systems to be operated from a single location 1,500km from the Pilbara.

In 2018, we launched the world’s first automated heavy-haul rail network, named AutoHaul™, capable of moving more than one million tonnes of iron ore a day. It improves safety by reducing risk at level crossings and through automated responses to speed restrictions and alarms, eliminating the need to transport drivers to and from trains mid-journey. This saves almost 1.5 million kilometres of road travel every year.

Approximately 90% of our haul truck fleet across our Pilbara sites is also autonomous.

These trucks, which use pre-defined GPS courses to automatically navigate haul roads and intersections, allow us to move more material, safely and more efficiently, increasing productivity.

We also continue to expand our Autonomous Drilling System (ADS) and now have a fleet of 40 production drills across 7 sites. ADS allows us to monitor multiple drills from different manufacturers across multiple sites from remote drill consoles in Perth.



# Rail and ports

Our AutoHaul™ rail system is the largest privately-owned and operated rail network in Australia.

Our operations are supported by 4 independent shipping terminals at 2 locations, Cape Lambert and Dampier, managed as a single port system.

We have 4 major power generation stations, Paraburdoo, Yurralyi Maya, West Angelas and Cape Lambert, which provide power to our Pilbara community and operational sites.

Our rail network	Dampier Port	Cape Lambert Port
Nearly 2,000km of track	2 terminals (Parker Point and East Intercourse Island)	2 terminals (Cape Lambert A and B)
Typical train is 2.4km long	3 ships loaded every day	4 ships loaded every day
217 locomotives	Average 140 million tonnes of iron ore shipped per year*	Average 186 million tonnes of iron ore shipped per year*
About 13,350 wagons	24 hours to load the average ship	24 hours to load the average ship
Average 327 million tonnes of iron ore railed per year*	59km network of conveyor belts	~100km network of conveyor belts

\*Past 5 years



# Salt

The Pilbara is also home to Dampier Salt Limited (DSL), with two solar salt operations across Dampier and Port Hedland.

DSL is the world's largest exporter of this commodity – most of which is delivered to our customers in Asia. DSL – a joint venture between Rio Tinto (68% owned), Marubeni Corporation (22% owned) and Sojitz (10% owned) – covers an area of around 21,000 hectares. This is equivalent to about 100,000 soccer pitches.

Our operations use a unique and sustainable production process across two evaporation flats, relying almost entirely on the power of the sun and wind.

The few million tonnes of seawater pumped over these flats every day have created an important habitat for a variety of migratory shorebirds.



# Copper

In 2017, we discovered copper-gold mineralisation at our Winu project in the world-class and multi-commodity Paterson Province, around 350km south-east of Port Hedland.



We announced a maiden resource in 2020 and our 2021 drilling program identified mineralisation to the north, south and east, and at depth.

Our Winu team is working in some of Australia's most extreme conditions – with temperatures of 40 - 50°C (104 -122°F) through the summer and cyclone months.

Exploration in the broader region continues and results provide further encouragement for the potential to develop multiple orebodies in the district.

In May 2025, we signed joint venture agreements with Sumitomo Metal Mining Co to deliver the project. The transaction is expected to close in 2025, subject to regulatory approvals and the satisfaction of customary conditions.





## Minerals

Our Argyle diamond mine in the East Kimberley region of WA was the world's largest supplier of natural-coloured diamonds – including white, champagne, cognac, blue, violet and a very small volume of the rare and highly-coveted Argyle pink and red diamonds.

In November 2020, we ceased operations at the mine – after producing more than 865 million carats of rough diamonds over 37 years.

We are now progressing the closure and rehabilitation of the mine to facilitate the land's transition into its post-mining phase.

We're on track to finish demolition, landforming and revegetation by 2026, followed by a projected monitoring and maintenance period of at least 10 years.

We continue to manage the Argyle pink diamonds brand through sales of remaining inventory, secondary market platforms, certification processes and creative collaborations with renowned national and international jewellers.

## Geoscience and exploration

Our exploration, resource development and mining geology teams work to define, test and develop our future iron ore deposits in WA – one of the world's largest mineral provinces.

Our deposits are hosted in the Pilbara's world-class Hamersley Basin – where we use geological techniques such as field mapping, geophysical and geochemical surveys, drilling and 3D modelling and interpretation, to build orebody knowledge.

The results are then analysed and modelled in 3 dimensions by our geologists, for use by mine planners, processing engineers and other specialist areas supporting production.

Our knowledge of Country and its geological features, along with our important relationships with Traditional Owners, help us model and estimate our Pilbara deposit pipeline and excel in development.



# Decarbonisation

We are committed to global targets of reducing Scope 1 and 2 emissions by 50% by 2030, ahead of net zero emissions by 2050.

The majority of emissions from our Pilbara Iron Ore business come from the energy we use to power our operations, including the diesel fuel used in our mobile equipment.

Electrification is the long-term solution to reduce these emissions, and we're working to develop opportunities to introduce renewable energy to displace gas use across our Pilbara power network.

In 2024, we formed an agreement with Ngarluma Aboriginal Corporation to pursue the development of an 80 megawatt (MW) solar farm on Ngarluma Country, near Karratha, to supply renewable energy to our Pilbara operations. A feasibility study is expected to be completed in 2025, with commissioning in 2027 – subject to relevant approvals and final investment decision.

The project has the potential to displace up to 11% of natural gas across our operations, significantly reducing our overall emissions. The solar farm is the first proposed project we will pursue with the Ngarluma People under our Memorandum of Understanding.

We are exploring an opportunity with Yindjibarndi Energy Corporation (YEC) in relation to their renewable energy project, called Project Jinbi. Currently in development by YEC, Jinbi will include 75MW of solar on a greenfield site located 55km south of Karratha on Yindjibarndi Country.

In early 2025, we also trialled renewable diesel across our operations for the first time, and we are collaborating with BHP, Caterpillar and Komatsu to test large battery-electric haul truck technology.

For Pilbara ores, we are studying potential low emissions steel pathways, such as the NeoSmelt project, in collaboration with BlueScope, BHP, Woodside Energy and Mitsui Iron Ore Development – with support from the State and Federal Governments.

As part of this project, we're jointly investigating the development of Australia's first ironmaking Electric Smelting Furnace (ESF) pilot plant in the Kwinana industrial area. The pilot plant aims to prove Pilbara iron ore can be used to produce lower-carbon emissions molten iron using direct reduced iron (DRI)-ESF technology.

We are also assessing beneficiation processes for our Pilbara ores, to reduce impurities and increase amenability to future low-carbon steelmaking technologies.





# Communities and partnerships

We partner with organisations across WA to support healthy, resilient communities and strong local economies. Our goal is to work together with communities to build a future we can all be proud of.


Our aim is to contribute to a shared future and positive legacy, through lasting relationships with people and communities where we live and work.

Some of our key commitments include:

- Partnering with the City of Karratha and the Shire of Ashburton to deliver projects that strengthen local communities – such as the FeNaCING Festival, multi-purpose undercover courts in Paraburdoo, and a new emergency response centre in Tom Price. These are part of a \$75 million, 10-year partnership focused on supporting what matters most to the region.
- Protecting the Pilbara's unique biodiversity through a 5-year, \$8 million partnership with the Department of Biodiversity, Conservation and Attractions, focused on conservation in Millstream, Chichester and Karijini National Parks.
- Supporting grassroots initiatives through our Community Giving program, which provides grants for everything from community gardens to sports equipment. In 2024, we funded 375 local groups with over \$1.3 million.
- Building world-class child care centres in the Pilbara, including the recently opened Pannawonica Early Learning Childhood Centre.
- Working with local governments from Albany in the south to Derby in the north, to deliver youth-focused initiatives and community events.
- Partnering with the Perth Wildcats and Perth Lynx to create pathways for Western Australians to play basketball – from grassroots to elite levels – while also championing professional women's sport.
- Helping deliver first-class medical care to regional communities through our long-term partnership with the Royal Flying Doctor Service, contributing \$40 million since 2004.
- Supporting mental health services by partnering with Lifeline WA to recruit and train 120 new crisis support volunteers, ensuring help is there when it is needed most.
- Improving children's health as one of the largest supporters of Telethon – helping to strengthen mental health services for young people and supporting ear health programs for children in the inland Pilbara. Our Telethon contribution supports more than 107 beneficiaries across WA, providing a better and brighter future for WA's most vulnerable kids and their families.
- Creating healing spaces for children through a \$4 million partnership with the Perth Children's Hospital Foundation to build Waalbiirninny Waabiny Boodja – a world-class play and healing space that connects kids with Noongar culture outside the hospital setting.







# Connecting through culture

We are focused on building strong relationships with Indigenous Peoples, respecting their deep connection to the land, water, culture and nature.

We are finding better ways to work with Traditional Owners in WA, to celebrate, protect and manage cultural heritage throughout the life of our operations. We support Traditional Owner partners to preserve stories, knowledge and practices, as well as access economic opportunities through our agreements.

## Co-management

It is essential Indigenous Peoples have a say in decisions that affect their lands, waters and cultural heritage.

That is why we're moving to a co-management model, working in genuine partnership with Traditional Owners across WA. We want to ensure Traditional Owners' knowledge and voices guide our planning and decision making around the management and protection of cultural heritage throughout the mine lifecycle.

In May 2025, we reached a significant milestone in our relationship with Puutu Kuntj Kurrama and Pinikura (PKKP) People, together signing a Co-Management Agreement – a first for our business.

The agreement is the overarching framework for our iron operations on PKKP Country and was built through listening, learning and working together.

We continue to work closely with other Traditional Owner groups to update our agreements. We are committed to making sure our agreements are tailored to the unique needs, perspectives and priorities of each Traditional Owner Group.

## Listening to Indigenous voices

We're focused on developing current Indigenous employees and attracting new Indigenous talent into professional and leadership roles, to ensure we have a stronger representation of diverse voices at our decision-making tables.

Through our Cultural Connection Program, we are also helping leaders understand, respect and support Indigenous culture, enabling better business decisions and building strong, trusted relationships with Indigenous communities and employees.

Our goal is to create a diverse and culturally safe workplace where Indigenous Peoples feel respected, valued and safe.

## Social, Cultural and Heritage Management Plans

As part of our mine development, our Iron Ore business works closely with Traditional Owners to develop Social, Cultural and Heritage Management Plans that protect and manage significant heritage values across our operations.

During the development of our Western Range mine, we co-designed a Social Cultural and Heritage Management Plan with Yinhawangka People. This was the first plan we developed of this kind, ensuring the protection and management of significant social and cultural heritage values through the construction and operation of our Western Range mine.

## Supporting Country and culture

We recognise the importance of Pilbara Traditional Owners taking the lead in caring for their Country.

We partner with the Pilbara Ranger Network, a collection of 10 Pilbara Traditional Owner Groups, who are keeping their Country, culture and people strong.

In addition to the Pilbara Ranger Network, we also partner with Aboriginal Corporations to deliver localised ranger programs, including Murujuga Aboriginal Corporation, Karlka Nyiyaparli Aboriginal Corporation, Robe River Kuruma Aboriginal Corporation and Yindjibarndi Aboriginal Corporation.

Our Living Cultures partnership with Yinhawangka Aboriginal Corporation is dedicated to protecting and preserving Yinhawangka culture, while strengthening the wellbeing and connection of Yinhawangka People to Country.

As a founding partner of the Polly Farmer Foundation, we have supported its education programs for over 25 years, empowering thousands of Indigenous students to successfully complete their education and pursue meaningful post-school pathways.

Since 2008, we have also partnered with the Clontarf Foundation to support its work in improving education, life skills, self-esteem and employment prospects for young Indigenous students.



# Regional hubs and towns

We are committed to working with local partners to create vibrant and healthy communities across WA.

The South West hosts our largest regional fly-in fly-out (FIFO) workforce in WA, with more than 1,300 employees living in the region.

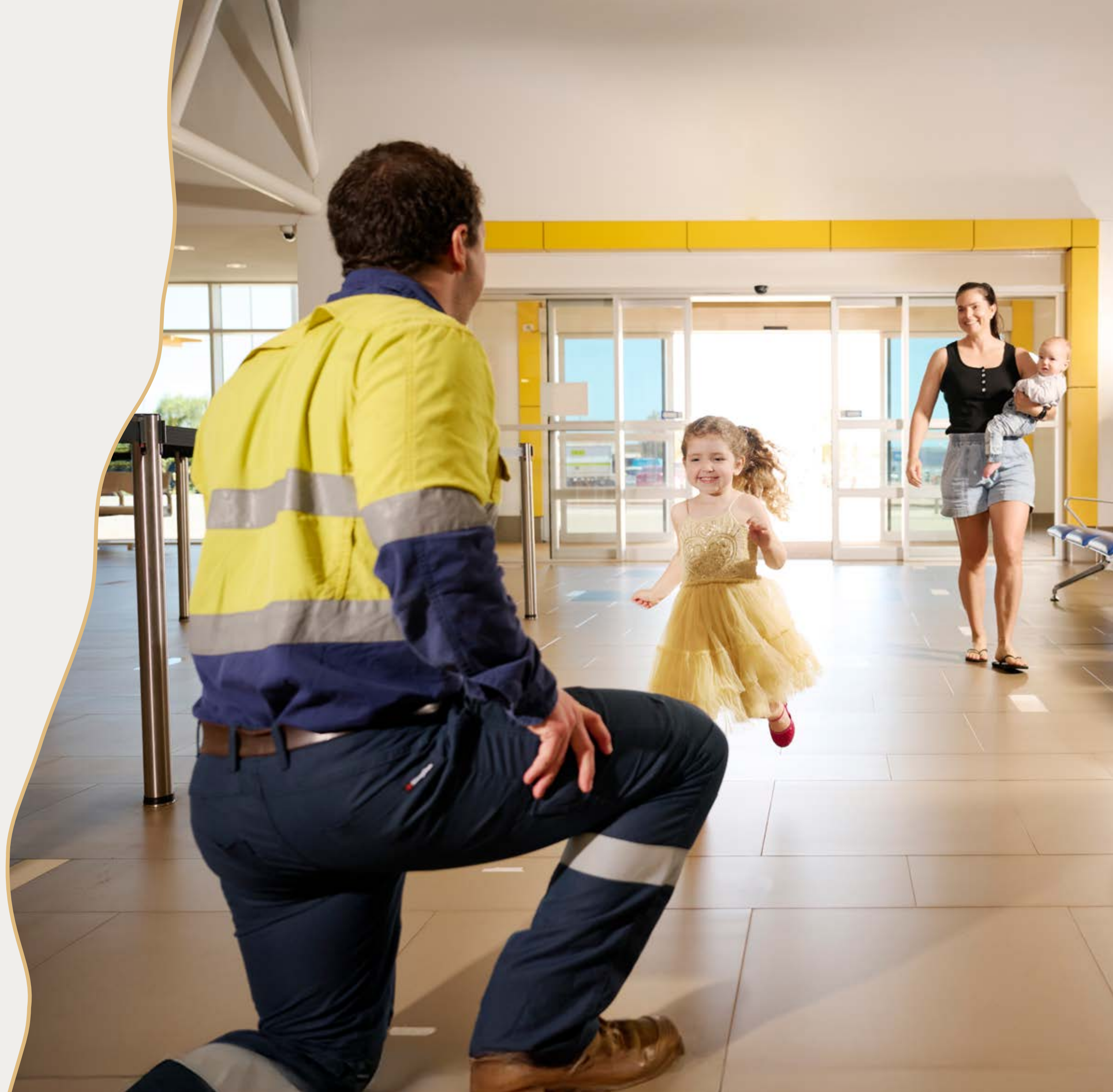
We own more than 2,700 houses in the Pilbara towns of Dampier, Karratha, Wickham, Pannawonica, Tom Price and Paraburdoo – which are leased to employees and some external tenants.

To support quality healthcare in the regions, we contributed \$20 million towards Paraburdoo Hospital, through our \$250 million commitment to the WA Government's Resources Community Investment Initiative. We have also committed \$20 million to the new Tom Price Hospital.

We operate the power, water and sewerage networks in Dampier, Tom Price, Paraburdoo and Pannawonica, and the power network in Wickham.

Recently renewed for another three years, our partnership with the Stephen Michael Foundation was established in 2022.

It continues to support the delivery of sport-based education, leadership and wellbeing programs for disadvantaged youth across WA's South West and Mid West regions.









The image features a large, solid red shape on the left side, which is part of the Rio Tinto logo. The background on the right is a photograph of a desert landscape with a large, weathered rock formation under a cloudy sky.

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