Our activities in Australia
PARTNER IN 2 MEGA LNG PROJECTS
110+ PEOPLE EMPLOYED
A LEADER IN SOLAR POWER TECHNOLOGY

INDONESIA - TIMOR
PAPUA NEW GUINEA
AUSTRALIA

Total E&P Australia – Perth
Total Oil Australia – Melbourne
SunPower Corporation – Melbourne
Saft – Sydney
LNG projects-GLNG Gladstone, Queensland and Ichthys, Darwin
Offshore Assets – Ichthys Project, Browse Basin, and exploration permits

1963
Opening of the first Australian office in Adelaide

2005
Re-entered Australian market with Perth office

2011
Acquisition/Partnership with SunPower

2012
Final Investment Decision on Ichthys LNG Project
Total Oil Australia first year of operations in Melbourne

2015
First cargo from Gladstone LNG Project

2016
Acquisition of Saft

1960s
Funded seismic activities, Simpson Desert
Our Australian story began in the early 1960s when Total first decided to explore for oil and gas as part of the company’s global strategy to diversify from the traditional heartlands of Europe, Middle East and Africa. In 1963 Total funded some seismic activities in Australia’s Simpson Desert, the world’s largest sand dune desert covering around 176,500km² in central Australia. With limited access across this region, a road had to be built to provide support to the seismic activities. Today, this track remains one of the few ways of driving across the desert by four wheel drive vehicle, and is known locally as the “French Line”.

Since that time, Total’s upstream activities in Australia have varied from both onshore and offshore oil and gas exploration, to exploration and production of other minerals such as uranium, coal and gold.

Fast forward to today and Total is a partner in two major Liquefied Natural Gas (LNG) Projects in Australia, the Gladstone LNG and Ichthys LNG Projects and continues to grow its lubricants and renewable energy businesses in Australia.

“\nIt is an exciting period for Total in Australia. Our Australian LNG interests will contribute towards the Group’s strategy of increasing our energy mix to meet the challenges of climate change and support growth in global energy demand. Our current investments mean Total is committed to Australia for the long term and we will continue to seek further opportunities to grow.”

EMMANUELLE TUTENUIT,
Managing Director, Total E&P Australia
OUR ACTIVITIES IN AUSTRALIA

EXPLORE AND PRODUCE
A STRONG PARTNER, PROUD TO BE PART OF AUSTRALIA’S LNG SUCCESS

As a global and integrated leader in LNG, Total has interests across the world, including Australia. Recognising Australia’s potential some years ago, Total re-entered the Australian market in 2005, looking at a range of conventional and unconventional gas opportunities. We have since entered into partnerships on two major LNG developments: the Inpex-operated Ichthys LNG Project (Ichthys), located offshore northwest Australia and in Darwin in the Northern Territory; and the Santos-operated Gladstone LNG (GLNG) Project in Gladstone, Queensland, as well as securing acreage for exploration.

These two LNG mega projects contribute significantly to the Group’s commitment to delivering energy that is affordable, reliable and clean, in compliance with the highest safety and environmental standards. Australia is a key part of Total’s global portfolio.

Ichthys
CPF
World’s largest semi-submersible platform, overall weight around 120,000 tonnes

FPSO
85,000 barrels per day of condensate at peak

Longest subsea pipeline
in the southern hemisphere at 890kms, 42-inch wide and about 200,000 tonnes of steel

Onshore
8.9 mtpa LNG

Total holds a 30% interest in the INPEX-operated Ichthys LNG Project which will develop approximately 3 billion barrels oil equivalent of reserves, including around 500 million barrels of condensate. INPEX holds 62.25% of the Project with the remaining equity held by a combination of CPC Corporation Taiwan, Tokyo Gas, Osaka Gas, Kansai Electric, JERA and Toho Gas.

The Ichthys gas and condensate field is located approximately 220kms off the northwest coast of Australia. At the site of the field will be subsea systems connected to offshore processing facilities, including the Central Processing Facility (CPF) which will be the world’s largest semi-submersible platform and the Floating Production Storage Offloading (FPSO) vessel that will...
OUR ACTIVITIES IN AUSTRALIA

Total holds a 27.5% interest in the Santos-operated GLNG Project which processes coal seam gas into LNG at Gladstone, Queensland. Alongside Santos, which has a 30% share in the Project, PETRONAS has a 27.5% stake and KOGAS a 15% share.

The Project involves extracting gas in the Bowen and Surat Basins, in southeast Queensland, before piping the gas 420km to the LNG plant located at Curtis Island near Gladstone. The LNG plant has the capacity to produce 7.2 mtpa of LNG, and binding offtake agreements have been signed with PETRONAS and KOGAS, totalling 7 mtpa.

The Project exported its first cargo in October 2015, marking the beginning of the Total’s LNG production in Australia.

In the Browse Basin, in addition to the permits relating to the Ichthys Project, Total has interests in exploration permits WA-285-P and WA-343-P in partnership with INPEX which is the Operator. Total also holds one exploration permit in the Vulcan Sub-Basin (AC/P60) and two permits in the under-explored South Carnarvon Basin (WA-492P & WA-493P).
At Total, we believe that abundant, clean and renewable solar power is an important solution to rising energy demand and the challenges presented by the energy transition.

We are a major integrated solar company via Total Solar and our US subsidiary SunPower which produces the most efficient and reliable solar panels on the market. We develop and operate solar power plants and decentralized photovoltaic systems, for residential, industrial or commercial applications.

In Australia, SunPower Corporation has an affiliate based in Melbourne. At SunPower, we believe that providing exceptional customer service is just as important as producing superior technology.

Saft is the world’s leading designer and manufacturer of advanced technology batteries for industry. Acquired by Total in July 2016, Saft has a strong international presence, demonstrates technological leadership and has the highest sustainability standard in the industry. With Saft, Total is researching solutions for energy storage, a key issue to accompany the growing share of renewables in the power mix. In Australia, Saft sells advanced technology batteries for LNG projects, rail, industrial standby, water utilities, security systems and defense.

Saft’s batteries have been providing the energy storage for backup power systems at the iconic Sydney Opera House since 1992.

Saft Key Figures
+4,100 staff worldwide
19 countries around the world
9% of sales re-invested in R&D

Oasis Power Plant. Photo credit: SunPower

With an efficiency of 22.8%, SunPower solar panels are the most efficient in the world
In Australia, we distribute oil products and associated services with the aim of constantly improving the ways we meet our customers’ needs by offering them innovative solutions.

Total Oil Australia, an affiliate of Total Marketing & Services, has been active in Australia since 2012. The affiliate was established in mid-2011, and its first full year of operations was 2012. Prior to that, TOTAL & ELF lubricants had been sold in Australia by 7 regional distributors mainly targeting the automotive workshop market. Total Oil Australia is situated in Melbourne, Victoria and operates five warehouses located in capital cities throughout Australia and also through a distributor network that provides nationwide product distribution. Total Oil Australia supplies and markets Total’s advanced range of lubricant products, and services all industries including; Automotive, Transport, Agriculture, Industrial, Power Generation, Food Processing, Refrigeration, Aviation, Marine, Mining, Civil and Earthmoving.

In addition to its distributor network focused on the generalist lubricant market, Total Oil Australia is also focused on key direct markets including Mining, OEM and Power Generation, where Total’s global expertise, R&D and OEM approvals provide customers with superior products, services and technical support. To complement its direct mining offer, Total Oil Australia also operates bulk lubricant storage facilities and bulk grease handling facilities nationally.

We pride ourselves on our innovative products and expert knowledge of the lubricant industry.

Total Oil Australia is committed to supplying the highest quality lubricants for vehicles and equipment. We are confident in delivering the performance benefits that only a global Research & Development effort can bring. We continue to lead the way in the development of our Biodegradable and our Fuel Economy (FE) ranges as a part of our commitment to reduce CO2 emissions.

Total’s Lubricants not only meet manufacturer requirements, they exceed the highest level of industry specifications and are recommended by numerous major automotive and equipment manufacturers worldwide. We do more than simply meet manufacturer specifications – we obtain their approvals.

Our difference – one key element sets Total Lubricants apart… our people! Our people are lubricant experts, trained to meet the ever growing demands of industry and the challenges our customers face. We are trained to listen and to use our expert knowledge to confidently implement the changes needed to keep our customers ahead of the competition.
1. ICHTHYS CPF, ICHTHYS EXPLORER, MOORED OFFSHORE WA
Photo Credit: INPEX

2. SUNPOWER, TOTAL SOLAR POWER PLANT
Photo credit: SunPower

3. ICHTHYS FPSO, ICHTHYS VENTURER, MOORED OFFSHORE WA
Photo Credit: INPEX

4. ICHTHYS OFFLOADING JETTY
Photo Credit: INPEX

5. GLADSTONE LNG PLANT
Photo Credit: Santos GLNG

6. INNOVATION HAS ALWAYS BEEN A PRIORITY FOR TOTAL LUBRICANTS, BACKED BY OUR GLOBAL RESEARCH NETWORK
Photo Credit: Total Oil

7. TOTAL E&P AUSTRALIA TEAM, EMMANUEL MUS, GENERAL MANAGER, TECHNICAL & HSE DARREN BEUGELAAR, EXTERNAL AFFAIRS AND COMMERCIAL MANAGER AND ANDREW GOTTI, JNR RESERVOIR ENGINEER
Photo Credit: Total

8. THE AUSTRALIAN CHAMBER ORCHESTRA (ACO)
Photo Credit: Walter Peeters
AN ACTIVE PLAYER IN ASIA PACIFIC

AMBITION AND RESPONSIBILITY

Established in the Asia-Pacific region for almost 50 years, we have steadily expanded our presence. Our aim is to be a major player in the region by focusing on innovation, technological expertise, project management, growth, profitability, and by maintaining high standards in our operations.

The region’s demographic weight, buoyant market, industrial know-how and technological advance are significant advantages for our activities. In Asia, we employ more than 13,000 employees from diverse cultures and backgrounds in about 20 countries.

From our regional headquarters in Singapore, we are present throughout the entire value chain – exploration and production, refining and chemicals, distribution of petroleum products and services, and also solar. Through these different activities, we are committed to better energy.

ASIA PACIFIC, A REGION OF PROMISE

Total is active in exploration and production, primarily of gas, in 10 countries. In 2016, our production in the Asia-Pacific zone represented 11% of the Group’s overall production, with the two main producing countries being Indonesia and Thailand. The region is also home to two of our largest LNG developments, in Australia today, and perhaps in Papua New Guinea in the future. The group is also active in the gas midstream, with a share in a regasification terminal in India and a regasification project in Pakistan.

In the area of refining and petrochemicals, the growing demand in the Asian markets represents a major outlet for our production. To help meet this new demand we are investing significantly to expand the Daesan refining & petrochemicals complex in South Korea. We are also active in China, with two polymers plants and as a partner in a refinery. With 10 production sites in Asia, Hutchinson – our affiliate in specialty chemicals (elastomers) – is well placed to supply the Asian manufacturing sector.

Total Marketing and Services is present in the Asia Pacific market with a wide range of products and services including retail networks, lubricants, Liquefied Petroleum Gas (LPG), special fluids, aviation and bitumen.

Operating in 19 countries through our affiliates, we hire over 4,200 employees from diverse cultures and backgrounds across the region where we are strengthening our presence.

Total has strong ambitions in renewables and in solar in particular. In Japan, our affiliate SunPower has already sold more than 1GW worth of solar panels. Early in 2017, Total Solar, a 100% owned Total subsidiary, inaugurated the Nanao Solar Plant (27MWp), developed with its Japanese partners ISE Group and SunPower. Total Solar has launched the construction of a second plant: Miyako Solar Park, a 25MWp project expected to start-up in 2018. These power plants will further contribute to the diversification of Japan’s energy mix. In addition, Total has developed a range of decentralized energy solutions, dedicated to those with little or no access to electricity, in various Asian countries. The range, initially consisting of solar lamps for lighting and charging mobile phones, has evolved into more comprehensive, more powerful solutions.

A HISTORICAL AND SUSTAINABLE COMMITMENT

As a partner, Total has historically been playing a key support role alongside operators in several large-scale projects. We have also been maintaining our policy of becoming a member of local communities; this is part of Total’s DNA.

We are also positioning ourselves to provide Asian countries with a solution to some of the questions raised by their power consumption, and the need to control greenhouse emissions. In particular, our regional gas portfolio, gas being the cleanest fossil fuel, fits with our ambition to be the responsible energy major.

Today, Asia Pacific provides a great strategic challenge for Total, in terms of innovation, adaptability and profitability, mirroring the challenge of the sector as a whole.
As of 31 December 2017

- Approximately 20% of the Group’s gas production
- 9% of the Group’s hydrocarbon production (244 kboe/d)
- Stake in a world-class refining & petrochemicals integrated complex in South Korea, a refinery in China, and 2 polymer plants
- About 20 countries
- Approximately 40% of Group LNG production
- More than 10,000 employees
- More than 1,800 service stations

As of 31 December 2017
AN INTEGRATED COMPANY

Our commitment to better energy is reflected in state-of-the-art expertise throughout the whole energy chain. Shedding light on this integrated know-how at the service of a responsible energy future.

EXPLORE AND PRODUCE
To meet the energy needs of a burgeoning global population while preparing for the future, we continually innovate to produce sustainable and responsible solutions in oil and gas, solar energy, and bioenergies.

TRANSFORM AND DEVELOP
You already know us through our network of service stations. But we do so much more to improve your daily life. Our industrial expertise in transforming oil and gas helps to produce a wide range of everyday items such as cars, packaging and household appliances.

SHIP AND MARKET
We all require energy for heat, transportation, light in our homes and so much more. Total serves your needs worldwide each and every day. We bring energy from producing regions all the way to consumer hubs, working across a long, complex logistics chain.

1 OIL AND GAS
2 SOLAR
3 BIOENERGIES
4 SPECIALTY CHEMICALS
5 POLYMERS
6 REFINING-PETROCHEMICALS
7 TRADING-SHIPPING
8 PRODUCTS AND SERVICES

Visit our website to know more about our activities:
www.total.com
TOTAL’S ACTIVITIES
WE ARE COMMITTED TO BETTER ENERGY

Total is a global integrated energy producer and provider, a leading international oil and gas company, and a major player in low carbon energies. We explore for, produce, transform, market and distribute energy in a variety of forms, to serve the end customer.

Our ambition?
Becoming the responsible energy major. To do that, we must address the main challenges that lie ahead of us in the next 20 years:

• To meet the needs of a growing world population, we are working to supply affordable energy that meets the highest safety and environmental standards;
• To tackle climate change, we are developing an energy mix consistent with the 2°C scenario and whose carbon intensity declines steadily;
• To anticipate customer needs and be recognized for our convenient, quality local service, we are introducing innovative solutions to promote responsible energy use.

That is what it means to be committed to better energy.

Our strength?
Our 98,000 employees who are fully committed to better energy.

2015 CAMPAIGN
## Abbreviations
- **b**: barrel
- **cf**: cubic feet
- **/d**: per day
- **/y**: per year
- **€**: euro
- **$ and/or dollar**: U.S. dollar
- **t**: metric ton
- **boe**: barrel of oil equivalent
- **kboe/d**: thousand boe/d
- **kb/d**: thousand barrel/d
- **M**: million

## Conversion table
- **1 boe** = 1 barrel of crude oil = approx. 5,390 cf of gas* in 2015
- **1 b/d** = approx. 50 t/y
- **1 t** = approx. 7.5 b (for a gravity of 37° API)
- **1 Bm³/y** = approx. 0.1 Bcf/d
- **1 m³** = approx. 35.3 cf
- **1 t of LNG** = approx. 48 kcf of gas
- **1 Mt/y of LNG** = approx. 131 Mcf/d

* This ratio is calculated based on the actual average equivalent energy content of Total’s natural gas reserves and is subject to change.
Total is a major energy player committed to supplying affordable energy to a growing population, addressing climate change and meeting new customer expectations.

Those commitments guide what we do. With operations in more than 130 countries, we are a global integrated energy producer and provider, a leading international oil and gas company, and a major player in low-carbon energies. We explore for, produce, transform, market and distribute energy in a variety of forms, to serve the end customer.

Our 98,000 employees are committed to better energy that is safer, cleaner, more efficient, more innovative and accessible to as many people as possible. As a responsible corporate citizen, we focus on ensuring that our operations worldwide consistently deliver economic, social and environmental benefits. Our ambition is to become the responsible energy major.