Services

Agile, reliable, fit-for-purpose business bringing global expertise and networks to customers locally.

“WorleyParsons Services is a geographically and culturally diverse business that is home to the wide ranging technical knowledge and capability that resides in our people.”

IAN WILKINSON, GROUP MANAGING DIRECTOR - SERVICES

THE BUSINESS EXISTS TO PROVIDE SERVICES TO LOCAL CUSTOMERS, UTILIZING THE KNOWLEDGE AND CAPABILITY THROUGHOUT OUR GLOBAL ORGANIZATION.

WorleyParsons Services works hand in glove with WorleyParsons Major Projects and WorleyParsons Improve to ensure we do what is right to deliver value to our customers and to our shareholders.

The business line provides a wide range of services from consulting, concept selection, front-end studies, small and large project delivery, and portfolio management, in greenfield and brownfield environments.

The business operates in all WorleyParsons’ sectors: Hydrocarbons, Minerals, Metals & Chemicals and Infrastructure.

The Services business is managed as five geographic regions and two specialist global businesses.

The geographic regions are:
- Australia, Pacific, Asia and China
- North America
- Latin America
- Europe, Middle East and North Africa
- Sub-Saharan Africa.

The specialist global businesses are:
- INTECSEA
- Energy Resourcing Group.
CASE STUDY: EKOFISK

Location: Norway
Customer: ConocoPhillips

Ekofisk 2/4 L— the largest accommodation platform in the North Sea

When the new Ekofisk 2/4 L accommodation and field center platform was officially opened in April this year, it was the largest accommodation platform in the North Sea. It offers a range of new facilities and amenities that address safety, operational efficiency and comfort. For Rosenberg WorleyParsons this project marked a significant milestone in its hook-up capabilities.

Rosenberg WorleyParsons, whose scope of work covered hook-up and commissioning assistance, executed this project over two phases with Phase 1 involving hook-up planning in Singapore and Phase 2 covering hook-up execution in Stavanger and offshore.

1 The new Ekofisk 2/4L complex is located in the North Sea, 300 km southwest of Stavanger, Norway and now replaces two older facilities from the 1970s.
INTECSEA
INTECSEA is one of the world’s leading and most experienced deepwater engineering companies, specializing in floating systems, offshore pipelines, marine riser systems, subsea systems and Arctic development. From concept to decommissioning, our customers rely on us for inherent safety through world-class design, engineered reliability through technical integrity, and a solutions-driven approach for full lifecycle asset management. INTECSEA has designed subsea production systems, pipelines and floating systems in the harshest environments, and in locations as diverse as the Black Sea, Arctic Ocean, Mediterranean Sea, Gulf of Mexico, offshore West Africa and South China Sea.

Energy Resourcing Group
Energy Resourcing Group is a leading supplier of specialist professional engineering resources and associated staffing and employment services to the oil and gas, energy and resource sectors in Australia, North and South Asia, Europe, North America and the Middle East.
It provides a range of innovative recruitment and contractor management services to WorleyParsons and other leading energy sector customers including oilfield operators, engineering design houses, refining and petrochemical corporations and major construction organizations. Energy Resourcing Group has offices in Australia, China, Thailand, Canada, the UK, Singapore and Korea.

“INTECSEA has designed subsea production systems, pipelines and floating systems in the harshest environments.”

GREG CONLON, NORTH AMERICA MANAGING DIRECTOR

OKUME/EBANO TENSION LEG SPAR, OFFSHORE EQUATORIAL GUINEA
Liwan Gas Project – a collaboration success story

The Liwan Gas Project is the first deepwater gas project in offshore China, and is currently operated by Husky Oil China Limited (HOCL) and China National Offshore Oil Corporation (CNOOC).

Located in the South China Sea approximately 300 km southeast of Hong Kong, Liwan has taken approximately seven years to develop from discovery to first production and is considered one of the world’s fastest developments for large-scale deepwater gas projects.

Since project award in 2009, WorleyParsons and INTECSEAs’ integrated team has showcased the Company’s capability to integrate the right technical experts from around the globe to deliver results for customers from wellhead to market.

WorleyParsons and INTECSEAs’ work on this benchmark project has involved extensive collaboration by multiple offices, with work shared across four countries (China, Malaysia, Australia and the USA).

The Liwan development consists of three natural gas fields: Liwan 3-1, Liuhua 34-2 and Liuhua 29-1, which share a subsea production system, subsea pipeline transportation and onshore gas processing infrastructure.

Work began with the FEED, and included highlights such as an 80 km long tieback, first use of recirculation (gas recycle) as part of primary operating condition and design of the largest float-over, high-deck to be installed in offshore China.

First gas was produced at the Liwan 3-1 field in March 2014, and the Liuhua 34-2 field (which is currently being developed in parallel with the 3-1 field), is scheduled to be tied into the Liwan subsea infrastructure in the second half of 2014.

The Liwan Gas Project is one of many examples of successful collaboration amongst the Company’s offices that have delivered for our customers.
Towards Zero Harm in a high risk environment – the Bakubung Platinum Mining Project

The Bakubung Platinum Mine project for Wesizwe Platinum in South Africa highlights how HSE focused leadership can contribute to preventing harm in a high risk environment.

This long term project has been underway since 2006, with WorleyParsons responsible for engineering and project management in both the Consult and Deliver stages.

The Consult stage involved a pre-feasibility study and a bankable feasibility study in 2006/7. The Deliver/EPCM stage has been underway since 2011, with Phase 1 involving the establishment of access routes, fencing, a pollution control dam, two greenfield vertical shafts (the main shaft and a ventilation shaft), surface infrastructure and underground development. Work has progressed on schedule, with Phase 1 of the surface infrastructure successfully completed and the main 8.5m diameter shaft and the 7.5m diameter ventilation shaft sunk to a depth of 642m and 694m below collar, respectively.

Across all stages of the project, HSE has remained at the core and the team is empowered to drive HSE in all activities. It is this mind-set that has led the team to introduce a number of engineering and operational improvements on the project in addition to behavioral based training and supervisor development.

WorleyParsons is also taking a leadership position to help improve safety standards within the South African mining industry generally. The project team has embarked upon a number of industry wide safety initiatives designed to benefit all operators. Our team is proactively engaged in industry wide HSE focus groups to promote the adoption of mining techniques that significantly reduce exposure to dangerous work fronts and the development and adoption of safer tools and processes. WorleyParsons also leads a customer and contractor CEO forum to share and discuss lessons from HSE incidents.

The HSE focused leadership on the project and within the industry has proved critical to driving towards Zero Harm.

1 The Bakubung Platinum Mine is located near Sun City in the North West province of South Africa.
Todd Energy MET2 Project

WorleyParsons was engaged by Todd Energy under an EPC contract to deliver the Mangahewa gas production facility (MET2) located in Taranaki, on the west coast of New Zealand.

To meet the tight schedule, Todd Energy procured a modularized process plant, while WorleyParsons undertook the EPC contract for the balance of plant infrastructure and the installation, hook-up and pre-commission of the process modules.

The team’s innovative approach with the monolithic foundation slab, modular pipe racks, and construction led engineering under a risk/reward contracting model resulted in an excellent outcome in project delivery performance. The contract was completed ahead of schedule and under budget with over 350,000 man hours completed without a lost time incident.

CASE STUDY: BASF ACAI/NASA PROJECT

Location: China and Brazil
Customer: BASF

BASF clones plants in Brazil and China

In order to capitalize on the emerging super absorbent polymer markets in China and Brazil, BASF-YPC has invested in a major capital venture for two production facilities located at sites in Nanjing, China and Camaraçí, Brazil.

BASF-YPC chose WorleyParsons for the FEED, EPCM of the two plants based on our significant presence in Brazil and China and the capability of our experienced technical specialists.

BASF South America and BASF-YPC met time constraints and capitalized synergy benefits by cloning the two sets of plants, thereby maximizing efficiencies in design, schedule and resources.