

Through our alliance partnering with Petroleum & Mining Engineering (PAME), Bombora-ESP is able to offer our clients turnkey fabrication solutions, allowing the client to minimise their risk, fast-track the project, reducing contract management and interface requirements.



Fabrication Services

Combining the skills and experience of Bombora-ESP and PAME we provide turnkey project management, design, procurement and fabrication services for various welded/fabricated items, including the following:

- Subsea tie-in spools and jumpers
- Pipe spooling (spool-base set-up and operation)
- Cross country pipelines
- Fabrication of subsea structures, including
 - Inline protection frames
 - SSIVs
 - Manifolds
 - PLETs, FLETs and PLEMs
 - Riser bases
 - Subsea heat exchangers
 - Crossing supports
 - Adjustable pipeline supports
 - Buckle initiators
 - Subsea templates
- Pig launchers/receivers and tow heads
- Risers and J-tubes
- General fabrication, including:
 - Flexible pipe / umbilical carousels
 - Pipeline clamps
 - Installation aids
 - Mid water arches

Bombora-ESP

Bombora-ESP's personnel are highly qualified and experienced in the following areas:

- Project Management
- Pipeline and spoolpiece design
- Structural design
- Materials selection and CP design
- Procurement and package management
- Installation engineering and management

Bombora-ESP's personnel understand the issues that our clients often face when managing fabrication packages. Our team also understands the importance of designing with fabrication, transportation and installation in mind.

PAME

Established in 1991, PAME is a WA family owned company that incorporates many years of diverse welding experience and has an extensive and diverse client listing that includes operators, EPC contractors and service providers.

Facilities

PAME's Welshpool facility offers a wide range of fabrication and testing capabilities, including:

- 1097m² fabrication shop
- 191m² machine shop
- 3755m² accessible, outside yard.
- 2 x 10 tonne overhead cranes (8m under hook)
- 1 x 10 tonne yard crane and various forklifts
- Integrated machine shop
- In-house blast and paint facilities



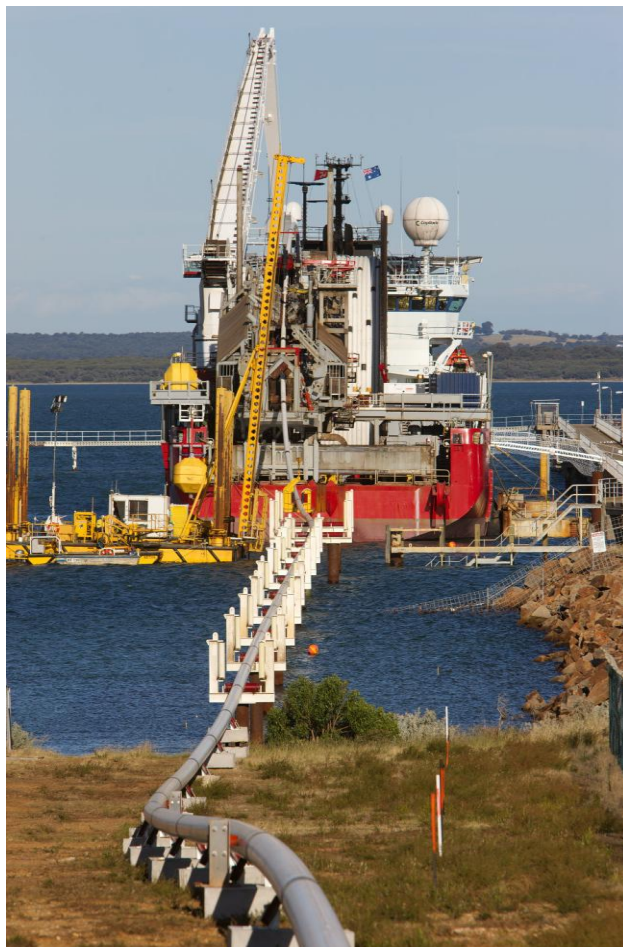
Welding Capabilities

PAME maintain a wide range of welding equipment and have developed and certified welding procedures for the following processes:

- GMAW (MIG)
- FCAW (Fluxcore)
- SMAW (Stick)
- GTAW (TIG)
- STT
- Orbital Autogenous
- SAW (Subarc)

PAME's fabrication team is highly experienced in offshore / oilfield welding and have a range of qualified welding procedures for carbon steels, stainless steels and exotic alloys including small bore Autogenous welding.

PAME offers turnkey offsite welding services on a 12 hour or 24 hour per day basis. The teams come fully equipped to perform all required welding, post-weld heat treat, and NDE services.



QHSE

PAME is committed to QHSE and is certified to

- AS/NZS ISO 9001:2008 - Quality;
- AS/NZS ISO 14001:2004 - Environment;
- AS/NZS 4801:2001 - Safety; and
- OHSAS 18001:2007 - Occupational Health and Safety.



Associated Capabilities

To complement its welding and fabrication capabilities, PAME offers the following services:

- Pipeline field joint coating:
 - Induction Heating (Clam Shells)
 - Automated Closed Cycle Abrasive Blasting
 - Automated Plural Spray Epoxy Units
- QA/QC/HSE
- NDE/NDT
- Pressure testing
- Load testing
- System integration testing

Please contact us to discuss your needs and requirements in more detail.

