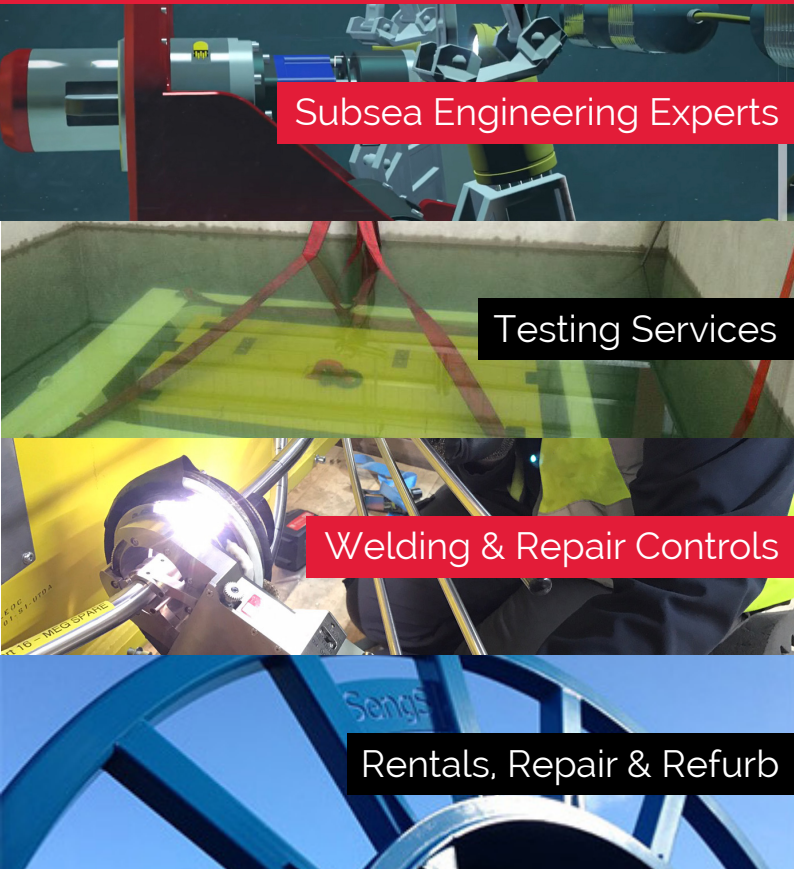


Subsea Engineering Solutions

SengS are an Aberdeen based engineering and service company providing **integrated engineering, testing, controls & tooling solutions** to a broad range of industries.



Subsea Engineering Experts

Testing Services

Welding & Repair Controls

Rentals, Repair & Refurb

Engineering Consultancy & Design

IRM engineering, bespoke equipment design, specialist testing advisors, topside & subsea solutions consultancy.

Orbital & Autogenous Welding

SengS can fabricate pipework in a diverse range of process plants applications, or any other requirements.

Endurance & Environmental Testing

API 6A Appendix F PR2, ISO14310, API 17H & 17D, gas testing, hydrostatic testing, submerged testing, downhole packer & bridge plug testing and high & low-temperature testing.

Contact Us

Specifications and Capabilities

Multi Discipline Engineering

SengS has a team of experienced multi-discipline or specialist engineers for project execution and follow-up, for in-house projects or on-site projects; onshore or in regular offshore rotation. Typical positions include;

- Senior engineers and project engineers (IRM - DSV/ROV & pigging services)
- Discipline and design engineers
- Work package engineers
- Client technical reps (platforms, FPSO's, DSV, CSV & ROVSV)
- Dive technical reps (DSV's)
- Independent specialist test procedures
- Product testing engineers

Our design & engineering team bring a broad mix of specialisms that also allow us to provide design and consultancy services; from three-dimensional analysis, through to prototyping.

Welding Controls

Weld Procedure 0001

Diameter range: 6.35mm – 25.4mm
Thickness range: 1.47mm – 2.73mm
Materials: ASME IX material group P8, subgroup 1 (301, 302B, 304, F46, 316, 316L, 317, 321, 347, 348)

Weld Procedure 0003

Diameter range: 9.6mm – 38.2mm
Thickness range: 1.9mm – 3.6mm
Materials: ASME IX material group P8, subgroup 1 (301, 302B, 304, F46, 316, 316L, 317, 321, 347, 348)

Weld Procedure 0004

Diameter range: 6.35mm – 25.4mm
Thickness range: 1.47mm – 2.73mm
Materials: ASME IX material group P10H (Duplex & Super Duplex, UNS S32750, UNS S31803)

Weld Procedure 0005

Diameter range: 4.8mm – 19mm
Thickness range: 2.22mm – 4.16mm
Materials: ASME IX material group P8, subgroup 1 (301, 302B, 304, F46, 316, 316L, 317, 321, 347, 348)

Testing Services

- ISO 14310, API 6A Appendix F PR2 testing
- Submerged gas testing
- Hydrostatic testing
- Hyperbaric testing
- Endurance product testing
- High-temperature testing
- Cryogenic / Low-temperature testing
- Vacuum & helium testing
- Compression and tension testing
- Sampling & analysis areas

Test Areas & Equipment

- Up to 60,000psi / PR2 testing (-150°C to 650°C)
- Test cells 'A & B' - 4.5m x 5.4m x 3m
- Test cells 'C' - 4.2m x 5.3m x 3m
- Test pit 4.5m x 4.5m x 4.5m
- Test tank 7.8m ID x 5.2m
- 4 x test cells (60,000psi rated)
- 6 x assembly areas 6m x 6m
- 2 x 2.5m x 1.5m x 3m environmental chambers
- 6.7m x 117mm hyperbaric chamber (rated to 26,000psi and temperature up to 660°C)
- 350Te compression and tension test rig
- 30m long line pipe test rig (20,000psi rated)

Equipment Rental

- Multi-purpose cleaning and inspection tools
- Air driven umbilical reels
- Hydraulic driven umbilical reels
- Data acquisition units up to 16 stations
- Integrated HPU & gas booster control panels
- Subsea PTZ camera systems
- GR29 subsea grinders
- Low & high-pressure hydrostatic pumps
- Low & high-pressure gas boosters
- 9 way LP & HP test manifolds