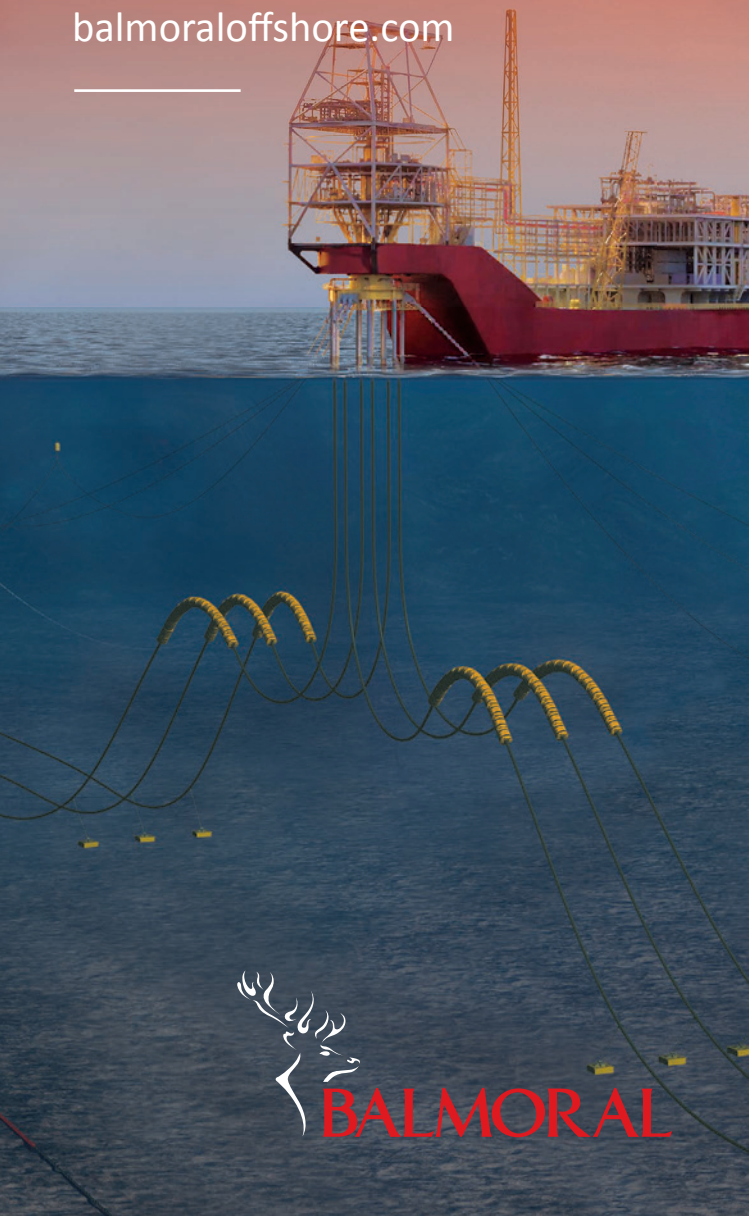


BUOYANCY PROTECTION INSULATION

balmoraloffshore.com



BALMORAL

An aerial photograph of an industrial park, likely a shipyard or manufacturing hub, featuring numerous large industrial buildings, parking lots filled with vehicles, and a large body of water in the foreground. A multi-lane highway runs along the right side of the image. The background shows a residential area and a bridge in the distance.

18

Awards for innovation,
performance and
customer satisfaction

6

Scottish Offshore
Achievement Awards

3

Queen's Awards for
International Trade

Balmoral is a trusted partner to the offshore energy sector.

Established in 1980, Balmoral has an enviable reputation across the world for product design, development and delivery.

Based at our purpose-built 250,000ft² facility in Aberdeen, we build successful relationships with clients working with them from concept development and advice through to product design, manufacture, testing, delivery and support.

All these functions are managed in-house to give total safety, quality and scheduling control.

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Helping clients solve their technical challenges

We offer unrivalled technical expertise, a vast project track record, evidence-based buoyancy, protection and insulation product solutions. This, combined with an open approach to stakeholder engagement, ensures success.



Proprietary laboratory, hydrostatic and mechanical testing facilities enable us to research, identify and develop cost effective materials across a spectrum of applications.

We continue to make significant investments in the most comprehensive syntactic, composite and polymer processing facilities the industry has ever seen.

Providing services from concept development through detailed design, toolmaking, manufacturing and testing, our products are used by the offshore oil and gas, renewable energy and defence sectors in the deepest and most hostile waters of the world.



Balmoral Discovery Unit

The company is renowned for its pioneering spirit and, through a dedicated resource, 'the Balmoral Discovery Unit', continually broadens its horizons in terms of product and materials development and diversified markets.



Created to proactively and reactively deliver technical solutions to industry challenges, the Unit is a collaboration of highly experienced individuals from the company's research and development design facility, polymer and composites material laboratories, process engineering department and subsea test centre.

Supported by 3D modelling, finite element analysis, CFD, lab and testing facilities, the Balmoral Discovery Unit is wholly committed to a policy of continuous innovation.



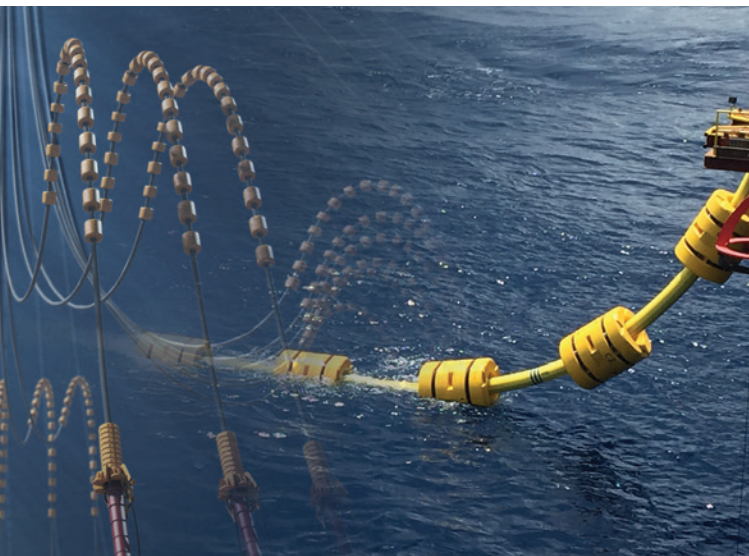
Buoyancy

Balmoral is a recognised market leader for surface and subsurface buoyancy product solutions. Installers and operators are seeking to deploy the latest technology to achieve efficiencies throughout the life of a project. With 40+ years' global experience we are strongly positioned to advise on your buoyancy challenges.



Providing added value from concept development through detailed design, manufacturing and testing, the team at Balmoral helps projects achieve their full potential safely and cost-effectively. Our buoyancy product solution range includes but is not limited to the following:

- **Distributed buoyancy solutions**
- **Drill riser buoyancy**
- **Low drag VIV suppression buoyancy**
- **Jumper buoyancy**
- **Buckle mitigation buoyancy**
- **Riser tower buoyancy**
- **Surface / subsurface buoyancy**
- **Modular buoyancy**
- **ROV / AUV buoyancy**
- **Buoyancy repair**
- **Ultra-low density syntactic foams**



Protection

Offering an unrivalled manufacturing capability and capacity, we offer an extensive range of protection product solutions. Benefiting from decades of innovation our protection products are manufactured in a variety of materials from elastomers to advanced composites.



- Bend restrictors
- Bend stiffeners
- Cable / pipeline protection
- Riser protection
- Riser clamps
- J-tube seals
- Marine antifouling
- Casing Guard
- Piggyback clamps, saddles, centralisers, spacers and flange protectors
- Seabed and wellhead protection structures
- PLET protection



| Insulation

Specialising in half-shell, housing, clamp and retrofit options using a variety of material technologies, Balmoral has extensive experience of producing insulation shrouds 4m+ long and up to 650 litres in volume.



Unlike linepipe or cast-in-place insulation which is designed for hot-dry service, half-shell shrouds, housing, clamp and retro-fit insulation products ensure hot-wet service as the cavity between the structure and insulation is flooded with seawater. Balmoral Elastotherm® can provide suitable hot-wet performance over a design life of up to 30 years.

Insulation shrouds can be designed to accommodate minimal fluid transfer rates over their service life which is particularly important where a long cool-down rate or target U-value is required.

For products requiring extremely tight geometric tolerances, our machine shop, with an extensive range of CNC, vertical borers and milling machines is used.



| Offshore wind

Benefitting from extensive and unrivalled global experience in the offshore energy sector, Balmoral provides a comprehensive range of mooring solutions and cable accessories to the floating and fixed wind markets supported by in-house technical, engineering, manufacturing and testing services.



- Distributed buoyancy modules
- In-line mooring buoys
- Balmoral FIBREFLEX® cable protection system (CPS)
- Midwater arches
- Mooring buoyancy
- Balmoral T-CLAMP® hold back/tether clamps
- Ballast modules
- Bend stiffeners and connectors
- Hydrostatic and mechanical test services
- PU/composite bellmouths
- Balmoral DURAGUARD® touchdown protection
- Bend restrictors
- Crossover solutions
- Surface/subsurface buoyancy

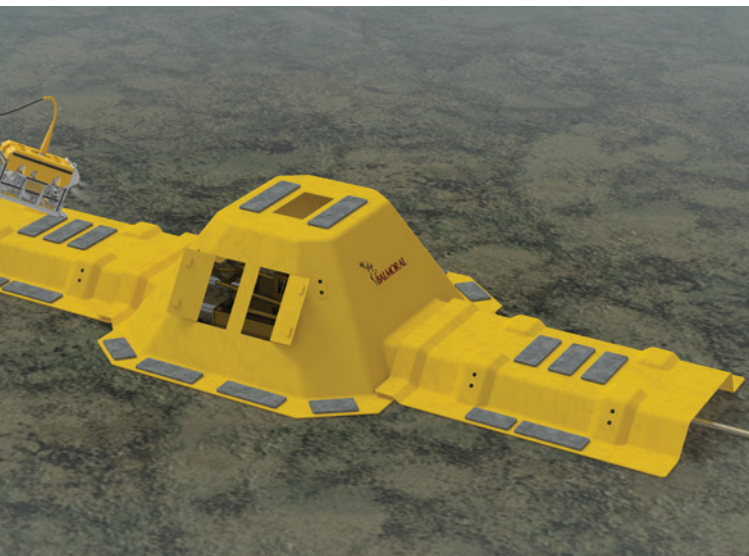


| Composites

As an industry-leading polymer design and manufacturing company we provide a range of GRP and advanced composites products to the renewable energy and offshore oil and gas sectors.



- Seabed protection structures
- Subsea support structures
- Subsea wave energy structures
- Subsea tidal structure
- Subsea foundations
- Manifold covers
- PLET protection
- Wellhead protection



Balmoral Subsea Test Centre

We operate the industry's most comprehensive, accessible and commercially available hydrostatic and mechanical testing facility for the subsea, renewable energy, defence and oceanographic sectors.



- **Hydrostatic testing for all types of subsea equipment to 7000msw (700bar) equivalent**
- **Mechanical testing including axial and lateral slip loads, static loading and bending, compression and shear testing, dropped weight and impact testing, and lifting point/insert load testing**
- **Development and test laboratories**
- **Offshore wind cable protection system testing**



HSEQ and sustainability

Balmoral acknowledges the importance of health and safety and is committed to providing a safe and healthy working environment for its employees, subcontractors and visitors, on or off-site.



Balmoral Group is fully compliant with environmental regulations and recognised industry standards and continually seeks to adopt solutions to protect the natural world.

The company acknowledges that environmental factors form an integral part of its business responsibilities and enable the company to demonstrate an ethical, effective and sustainable approach to all operations.

It is also recognised that provision must be made to accommodate the needs of future generations. To do this, Balmoral continually evolves its processes and services, obtains optimum return on resources and is proactive and systematic in appraising environmental performance.

As a result, the company's environmental obligations are a fundamental part of its culture and the basis of the formation of the Sustainability Training and Action Group (STAG).



Core values

Each Balmoral business unit is run by defined management and operations teams that are wholly responsible for their unit's profit and loss activity. All personnel are committed to the company's core values and its philosophy of continuous improvement.

Customer focus

Leading and working together as a team to deliver high quality products on time at the best possible price with no surprises.

Respect

Treating clients, colleagues and suppliers as we wish to be treated ourselves; with respect and decency.

Integrity

Reliability, flexibility, honesty, openness and fairness. Supporting clients, colleagues and suppliers at all times with a focus on the common end goal.

Accountability

Being proactive in setting and achieving objectives. Taking responsibility in one's role and enhancing the company reputation at all times.

Innovation

A commitment to the company's philosophy of innovation, continuous improvement and clear communication, internally and externally.

Motivation

Maintaining a focus on aligning efforts and energy to achieve common goals, ie, successful projects. Constantly seeking to add value.



TAKE THE NEXT STEP

To find out how Balmoral can help you solve your current technical challenges and unlock the full potential of both your team and your project, contact us at surety@balmoral.co.uk

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