

# Balmoral Group

Innovative polymer engineering



Balmoral Group Holdings

Balmoral Business Park

Balmoral Offshore Engineering

Balmoral Tanks



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Innovative polymer engineering

“Whether you’re in the market for deepwater buoyancy modules, elastomer cable protection, or seek a rainwater harvesting system or wastewater treatment plant for your garden, you can rely on Balmoral to provide a technologically advanced solution to your requirements.

“Research, development and innovation form the bedrock of our company; we pride ourselves in the engineered quality of our products and the levels of customer service we provide. I believe this has helped us attain an excellent reputation within the sectors we serve but we shall never become complacent.

“Headquartered in Aberdeen, UK, we are proud to retain our privately owned status, serving a global client base through our current employee count of approximately 300 people. Since inception in 1980 the company has become an acknowledged leader in the field of composites and polymer engineering - both in terms of design and manufacture.

“A dynamic operation, Balmoral has evolved into a number of distinct business units and divisions. Balmoral Offshore Engineering provides the energy sector with surface/subsurface buoyancy and elastomer products while Balmoral Tanks designs and manufactures fuel, water and chemical storage tanks, wastewater treatment plant and rainwater harvesting systems. Balmoral Business Park represents a move into the property development market for the Group.

“You’ll find detailed product and service information at [www.balmoral-group.com](http://www.balmoral-group.com), however, there is no substitute for direct communication so please feel free to contact me should you wish to discuss any aspect of your project.”



James S Milne CBE DL DBA(Hon) DHC  
Chairman and Managing Director



# Balmoral Offshore Engineering

Surface to seabed buoyancy, insulation and elastomer products

Balmoral's team of specialist engineers has provided subsea products to the global energy, oceanographic and defence markets since 1980. From surface navigation to insulated buoyancy some 3000m below the surface, Balmoral products are in use around the world.

In-house laboratory, hydrostatic and mechanical testing facilities enable the company to research and identify cost effective materials across a spectrum of applications.

Providing a service from concept development through detailed design and manufacturing, installation and commissioning, Balmoral Offshore Engineering will help you realise your project's potential.

# Balmoral Subsea Test Centre

Hydrostatic and mechanical testing for the subsea industry

## Hydrostatic testing

Balmoral operates its own hydrostatic test centre at Group HQ in Aberdeen.

Sophisticated laboratory equipment operates alongside a range of test vessels which accommodate a variety of products from small systems through to the largest rigid riser modules.

Standard tests undertaken at the centre include:

- Instrumented buoyancy loss
- Hydrostatic compression
- Uniaxial compressive strength
- Uniaxial creep
- Density
- Water absorption
- Product assemblies

## Mechanical testing

Large scale load testing equipment is available to perform a diverse range of tests including slip testing of clamping systems, flexure testing of buoyancy modules and load testing of bend limitation devices such as restrictors and stiffeners.

## Development laboratory

The Balmoral Offshore Engineering development laboratory utilises state-of-the-art test equipment for a wide range of laboratory tests in support of its development and production QC activities. These tests include:

- Tensile, compression, flexural and shear
- Tensile and compressive creep
- Hydrostatic compression and collapse
- Water ingress rate, water diffusion coefficient and water saturation values
- Glass transition temperature
- Resilience

## Surface buoyancy

- Navigation aids and marker buoys
- Anchor pendant buoys
- Surface buoyancy
- GRP mooring buoys
- Elastomer mooring buoys
- Fenders
- Cable flotation
- Seismic flotation

## Subsurface buoyancy

- Distributed buoyancy
- Marine drilling riser buoyancy
- Thermal insulation/buoyancy
- Buckle mitigation buoyancy
- Modular buoyancy
- Midwater buoyancy
- ROV/AUV buoyancy
- Umbilical flotation

## Elastomer products

- Bend restrictors
- Bend stiffeners
- Riser protection
- Cable and flowline protection
- Clamps, saddles, centralisers and spacers
- Flange protection
- Pin and box-end protection
- VIV strakes





## Surface to seabed buoyancy, insulation and elastomer products

- |    |                                |    |                               |
|----|--------------------------------|----|-------------------------------|
| 1  | Modular subsurface buoyancy    | 13 | Flange and cover protection   |
| 2  | Anchor pendant buoys           | 14 | Cable and flowline protection |
| 3  | Bend stiffeners                | 15 | Wellhead protection covers    |
| 4  | Navigation aids                | 16 | VIV strakes                   |
| 5  | Distributed riser buoyancy     | 17 | Surface buoyancy              |
| 6  | Bend restrictors               | 18 | Hose floats                   |
| 7  | Cable and flowline protection  | 19 | Radomes/antennae housings     |
| 8  | Bend stiffeners                | 20 | Subsurface buoyancy           |
| 9  | Marine drilling riser buoyancy | 21 | Midwater buoyancy             |
| 10 | Thermal insulation             | 22 | Platform fire protection      |
| 11 | Umbilical buoys                | 23 | Specialised storage tanks     |
| 12 | ROV/AUV buoyancy               |    |                               |



BRITISH SAFETY COUNCIL



# Balmoral Tanks

Our products mean business

Balmoral Tanks is a leading rotational moulding company that provides one of Europe's most comprehensive ranges of tank products from a single source.

Civil engineering, wastewater treatment, drainage, fuel oil containment, bulk liquid, chemical and potable water storage sectors are all served by the company. The company also carries out trade moulding for a number of industry partners.

## Rotationally moulded products

- Wastewater treatment plant
- Rainwater harvesting systems
- Bulk liquid storage
- Chemical storage
- Potable/non-potable water storage
- Fuel oil storage and dispensing
- Trade moulding

# Balmoral Sectional Tanks

Hot press moulded GRP sectional water storage tanks

With an unrivalled reputation for quality and service, Balmoral offers GRP sectional water storage tanks ranging from 1m<sup>3</sup>-1000m<sup>3</sup> capacity, erected to heights of 4m in 1m and 0.5m increments.

These tanks can be pre-insulated and carry WRAS approval for potable water storage and LPCB approval for fire fighting sprinkler systems.

# Horseley Bridge Tanks

Hot pressed steel sectional water storage tanks

Bolted and sealed steel sectional tanks were originated by Horseley Bridge Tanks in 1880 and the company has pioneered steel sectional water storage ever since.

With potentially unlimited capacities Horseley Bridge pressed steel tanks are of extremely rugged but highly portable design. They are ideal for use in sites with restricted access and for erection in highly inaccessible locations.



## Balmoral Tanks product range

- 1 Bulk liquid storage
- 2 Water storage
- 3 GRP/Steel sectional water storage
- 4 Commercial fuel oil storage and dispensing
- 5 Balmoral sequential batch reactor (SBR) sewage treatment plant
- 6 Balmoral HydroClear™ sewage treatment plant
- 7 Balmoral rainwater harvesting systems
- 8 Underground fuel oil storage

- 9 Balmoral grit bin
- 10 Balmoral SuperBlue™ AdBlue storage and dispensing
- 11 Waste oil storage
- 12 Bulk liquid storage
- 13 Agricultural fuel oil storage and dispensing
- 14 Commercial banded fuel oil storage
- 15 Domestic banded fuel oil storage



# Balmoral Business Park

A property development designed to inspire

Balmoral Business Park sits on an unrivalled location at the southern gateway to Aberdeen city. Surrounded by countryside with an open panorama extending over RSPB-protected Loirston Loch, this really is the “countryside in the city”.

An open aspect over the surrounding area will provide occupants with an outstanding working environment whilst the setting and design of the park will offer an architectural statement that is sure to make a significant and lasting contribution to Aberdeen’s cityscape.

Flexibility is the key word in describing this prestigious development which includes office space, industrial warehouses and the potential for a hotel. A car showroom with offices and workshop has been drafted into the plan taking account of what is becoming Aberdeen’s “Golden Mile” for luxury marques. Within a mile of Balmoral Business Park,

you’ll find dealerships for BMW, Land Rover, Lexus, Mercedes, Mini and Porsche.

The quality, choice, and environmental setting of this development is quite simply unprecedented in Aberdeen and the options are attracting considerable interest. Please contact Arron Finnie of Ryden on 01224 588866 or email [arron.finnie@ryden.co.uk](mailto:arron.finnie@ryden.co.uk) for more details.



[www.balmoralbusinesspark.com](http://www.balmoralbusinesspark.com)

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## Corporate structure

