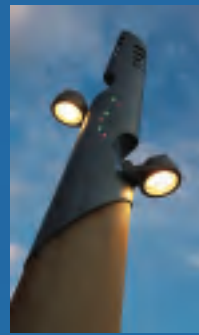


Birse Coastal

engineering excellence in **coastal** & **marine** construction



“ We are committed to providing complete customer satisfaction through first class service and high quality, innovative engineering solutions ”



Birse Coastal

A different approach, a better result

At Birse Coastal we understand that, first and foremost, our customers need us to design, manage and build first-class projects. Technical excellence comes as standard with our company, as does our track record of delivering coastal and marine projects on time and to budget.

However, modern construction is about more than this; service delivery is equally important

Working in partnership, aligning projects and their engineering solutions to the aspirations of customers and stakeholders and engaging with local communities has been key to our success over recent years. It has helped to make Birse Coastal one of the largest coastal contractors in the UK and explains why over 80% of our work is repeat business from extremely satisfied customers.

It has also helped us to secure a place as one of only three companies on the Environment Agency's National Contractors Framework for coastal works.

Birse Coastal's range of specialist skills

Birse Coastal is a specialist unit within Birse Civils, a national civil engineering contractor and part of the Balfour Beatty Group of Companies. Our extensive experience of coastal and marine schemes dates back to the early 1970's and ranges from small, one-off projects to large framework schemes up to a value of £80 million. We have developed an in-house team of specialists with the capability of undertaking a wide range of projects in the coastal / marine sector, including:

- Rock armour revetments, groynes and breakwaters
- Hard defences, including precast & in-situ concrete revetments and recurve sea walls
- Proprietary PCC armour units, including hollow and interlocking units
- Construction and extension of ports and harbours
- Beach nourishment
- Urban coastal frontage enhancements, including public realm infrastructure and promenade enhancements
- Environmental works and habitat creation

Engineering excellence

Our engagement on an ECI basis at the outset of schemes enables best use of our technical expertise to improve buildability and reduce costs whilst meeting the aspiration for the project. Our approach is to bring best value by working closely with the entire team throughout the whole lifecycle of projects. Innovative engineering solutions and construction methods, together with careful planning and project management have been fundamental to the great success of our projects.

Financial strength helps us maintain our local focus

A key advantage of our business is that we are able to provide the financial security, stability and resources of a major national contractor delivered through local teams focussed on the needs of the project and the customer. This approach has proven very popular with our customers, who benefit from:

- Safety: first, foremost and always
- Experienced and competent personnel with extensive coastal experience
- Established, proven management systems
- Developed supply chain relationships
- Best value, customer focused solutions

“ We deliver engineering excellence through best value, customer focused, quality solutions which consider the needs and aspirations of all project stakeholders ”



Coastal projects at a glance

Morecambe Coastal Works Phases 6&7



Value: £12.90m

Customer: Lancaster City Council

2.1km of rock armour protection to the existing sea wall, construction of two rock breakwaters and reconstruction of promenade. Beach nourishment works comprising importation and placement 110,000 tonnes of sand and cobbles.

Blackpool Central Area Coast Protection Scheme



Value: £66.4m

Customer: Blackpool Council

3.2km of new precast concrete stepped revetment, wave return wall and setback wall, including creation of 5 headland areas, each projecting 50m seaward.

Cleveleys Coast Protection Phases 2, 3 & 4



Value: £26.00m

Customer: Wyre Borough Council

2km of new precast concrete stepped revetment and wave return wall, new promenade, seating shelters, feature lighting, new café and extensive landscaping.

Weston-Super-Mare Seafront Enhancements



Value: £17.0m

Customer: North Somerset Council

Sea defence and seafront enhancement works comprising new precast defences, raising existing parapet wall and splash wall, dredging works, drainage and public realm works.

South Shore Infrastructure & Coast Protection



Value: £9.80m

Customer: Blackpool Council

Reconstruction of 750m of seawall and promenade. Armour protection comprised precast concrete 'seabee' units, placed in between tidal windows.

High Knocke to Dymchurch Sea Defences Frontage A



Value: £26.40m

Customer: Environment Agency

2.2km stepped precast concrete revetment sea defences, with reconstructed wave return wall integrated into the promenade and 23 timber groynes approximately 80m long.

Redcar Flood Alleviation Scheme



Value: £17.00m

Customer: Environment Agency

Reconstruction of 2km precast concrete revetment sea defence and sea wall, with enhanced promenade and public realm.

Lincshire Beach Nourishment 2010-15



Value: £25.00m

Customer: Environment Agency

Five year maintenance dredging contract to re-nourish a number of beaches near Mablethorpe and Skegness.

Humber Package



Value: £23.00m

Customer: Environment Agency

Package of five tidal defence improvement schemes on the River Humber. Works undertaken include construction of new revetments, placement of rock armour and marine piling from barges.

“ Our dedicated team of specialists fully understand the risks and complexities associated with working in an operational marine environment ”



Ports, harbours & marine projects at a glance

Tyne Commission Quay



Value: £3.90m
Customer: English Partnerships

Refurbishment and re-commissioning the Tyne Commission Quay, a 1920s reinforced concrete jetty structure approximately 400m long and 11m deep and installation of fenders and other ancillary quay furniture.

Isles of Scilly Link ECI Harbour Works



Value: £24.00m
Customer: Cornwall County Council

Project to improve the harbour facilities at Penzance and St Mary's. Works include extensions to existing piers, reclamation, hard and soft dredging, rock armour protection with new passenger and freight handling buildings and general infrastructure.

Port Of Seaham Infrastructure & Coastal Works



Value: £9.80m
Customer: Durham County Council

Coast protection scheme in working port environment. Works included a rock armour berm to protect toe of existing cliffs, placement of 100,000 tonnes of rock armour and regrading cliff tops.

Maryport Harbour Improvements



Value: £2.90m
Customer: Allerdale Borough Council

Flood protection works including construction of new timber trestle, floodwall and deck slab, sheet piling and reconstruction of timber groynes on the foreshore.

Walker Public Quay Reconstruction



Value: £4.00m
Customer: Newcastle Upon Tyne Council

Demolition and reconstruction of a 200m section of tidal river quayside. The new quay was constructed from tubular and sheet piles with an insitu concrete deck, protected by 30,000 tonnes of rock armour.

Port Of Mostyn Terminal Infrastructure Works



Value: £3.80m
Customer: P&O European Ferries

Design & build of infrastructure for the new port, earthworks, drainage, pavement construction, street lighting, terminal offices and services for a 60,000m³ car park area.

Workington Port, Berth No 4



Value: £0.70m
Customer: Cumbria County Council

Installation of new 'combi-wall' quay 130 metres in length and construction of new RC capping beam connecting combi-wall to the existing quay structure.

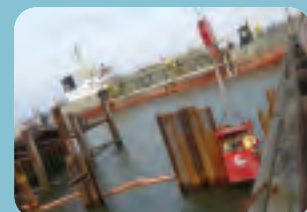
Port St Mary Harbour Improvements



Value: £0.32m
Customer: Isle of Man Government

Design and Build ECI scheme, including site investigation, structural assessment of the existing pier, surveys, outline design and construction proposals, planning consultation and budget costing.

Fleetwood Ferry Dock



Value: £0.50m
Customer: Wyre Borough Council

Birse Coastal installed emergency toe stabilisation and a temporary pedestrian access to enable the ferry service to continue operating. We later constructed a permanent steel-piled solution, working within the confines of the existing dock.

“ Safety is our top priority: first, foremost and always. The health and well-being of our staff, supply chain, customers and the general public will be considered above all else ”



A sustainable approach

We will not compromise on health & safety

In 2008, our Zero Harm vision was launched. This aims to ensure that by 2012 we have eliminated the risk of harm and there will be no deaths, no injuries to members of the public and no permanently disabling injuries among our people or those who come into contact with our business activities. When we reach this goal, we believe no other competitors will be able to meet our exacting standards. In the meantime, our customers know that we are wholeheartedly committed to continuing to work with them and other stakeholders to raise our health and safety standards to the highest level, transforming industry perceptions of what is acceptable – and unacceptable – as we go. You can join in the Zero Harm journey by visiting www.zeroharm.bbrce.co.uk

Investing in people

We recognise the importance of attracting and training talented individuals and investing in training and development to help them achieve their potential. We believe strongly in equal opportunities and strive to be the employer of choice across our business.

Supporting local communities

We regard good corporate citizenship as integral to our business and engage fully with the communities and individuals directly impacted by our work. Most of the larger Birse Coastal projects have locally-recruited liaison officers working to create a sense of community ownership.

Protecting the environment

We recognise our responsibility to reduce environmental impacts and have set global targets for cutting our greenhouse gas emissions and waste, water and major materials usage.

Engaging our suppliers

We work in partnership with our suppliers and encourage, help and support them to meet or adopt our values and standards.

Doing the right thing

At a time of rising global concern over corruption, we are clear that we must continue to maintain the highest ethical standards. Our Code of Conduct sets the principles by which all our employees are expected to translate our values into everyday actions and decisions. Visit www.balfourbeatty.com to view our principles and policies on:

- Risk management
- Health & safety
- Environment
- Human rights
- Equal opportunities
- Sustainability
- Ethics and competitive behaviour



“ We integrate fully with the local communities in which we work and do everything possible to avoid disturbance and disruption during construction ”



Being a Considerate Constructor

Birse Coastal is highly experienced in the successful management of third party interfaces

It is critical that project teams engage and interact with the local environment and all issues are addressed. We have a proven track record of delivering complex schemes, often on logistically challenging sites or within busy tourist destinations.

We fully support the Considerate Constructors scheme and appreciate the huge impact construction has on the environment

We are one of the UK's official top 3 'most considerate constructors'. Customers are therefore assured of our courtesy and consideration to the public

Since inception of the scheme, we have won an outstanding 90 awards – including 14 Gold Awards. This is testament to our commitment to improve both our own image and that of the construction industry at large.

The Considerate Constructors ethos is deeply embedded in our company culture and management systems. Birse is an associate member of the scheme, and it is our policy to register all our projects.

Award Winning Performance

Working closely with our customers, our projects are widely acclaimed and recognised via national construction industry awards.



Birse Coastal

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A **Balfour Beatty** Company

Credits

Tyne Commission Quay: Chapman Brown Photography.
Weston-Super-Mare public artwork: John Maine RA.