

## Award Winning Project

Southbay have been awarded the Civil Engineering Contractors Association Small Project of the Year Award for the North West region. The award relates to the successful delivery of the New Brighton Aids to Navigation scheme, a technically and operationally challenging coastal project delivered at the height of the tourist season. The project involved replacement of 3no. Navigational Structures.

Recognition was given by the judges to the need for developing an alternative design, which allowed the project to be delivered in accordance with a restricted budget, and within a challenging tidal environment. This simplified design involved replacing the existing tripod arrangement with a single 508mm diameter concrete filled monopile, complete with sleeve.

The 3no. Navigation Structures were installed from a 250 tonne jack up barge due to the need to work within the intertidal zone. In addition to a piled foundation, the Navigational Aids also include a superstructure which consists of a gantry complete with handrailing. The superstructure was prefabricated off-site, allowing it to be installed in a single lift, thereby minimising the onsite programme.



*Our Managing Director Paul Stephenson and Operations Director Antony Ballantyne with the award.*

## WELCOME

Welcome to the winter edition of our company newsletter, which highlights a number of achievements from across our business in the form of several industry awards. These awards illustrate the continued efforts by our employees to raise the bar across all areas of performance as we look to exceed client expectations. This includes our 6<sup>th</sup> consecutive RoSPA Gold award, underlining our commitment to Health and Safety.

Moving forward, we have secured a number of exciting contracts, which demonstrate the continued growth of our business. This includes our North Shields Fish Quay Protection Jetty project, a design and build scheme which involves the complete refurbishment of the existing structure. We are also in the final stage of delivering our Tyne Dock Enterprise Park Quay Wall scheme, which has involved construction of 113m of new quay wall, which will be used to support the world's largest offshore wind farm, Dogger Bank. Finally, I would like to take this opportunity to wish you all a Merry Christmas and a prosperous New Year.

**Paul Stephenson, Managing Director**

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## Raising the Bar in Safety

Our commitment to health and safety has once again been recognised through our 6<sup>th</sup> consecutive RoSPA Gold award. In recognition of this achievement, all employees were given a £150 bonus. In accordance with our commitment to mental health and wellbeing, 2021 also marked the beginning of our partnership with the Lighthouse Charity, who provide emotional, physical and financial support to construction workers.



We have also recently implemented a number of new measures across the business, including the introduction of Skill Station, an online competency management system, which allows us to effectively monitor staff training and identify the need for future improvement.

In order to provide the company with increased access to best practise, we have recently become a corporate member of the International Jack Up Barge Owners Association (IJUBOA). We are currently working with IJUBOA to develop improved industry legislation in relation to safe access and egress from Jack Up Barges.



*Our Quay 1 Dolphin Construction scheme was delivered using a Jack Up barge and involved the construction of 2no. RC Mooring Dolphins within the Tees Estuary.*

## Considerate Constructors

Southbay are proud to announce that our Tyne Dock Enterprise Park Quay Wall project has received a certificate of excellence following a recent Considerate Constructors audit. The site was commended for demonstrating a dedication and enthusiasm deemed as excellent across all aspects of considerate construction. The award is testament to the collaborative working relationship maintained throughout the project team. Best practice was observed across a number of key areas, including within the category of Respecting the Community, through developing a close working relationship with Northumbria University, allowing students to film key construction techniques including the construction of the combi wall.

## Student Visit

Southbay welcomed Civil Engineering students from Northumbria University to attend a site visit at our Tyne Dock Enterprise Park Quay Wall project. Delivered in partnership with the Port of Tyne and Turner and Townsend, the day consisted of a series of presentations delivered by all parties at the Port of Tyne's Innovation Hub. This was followed by a site visit led by our Senior Site Agent Stephen Truscott. The students were then given the opportunity to meet project personnel and to discuss future career prospects. Our Trainee Engineer Matthew Patterson is currently attending the university on a day release basis as he studies towards a BSc in Civil Engineering.



## Workload

Across 2021 we have secured a number of exciting and challenging contracts. These include:

### *Tyne Dock Enterprise Park Quay Wall (£4.5m)*

The design and construction of 113m of new quay wall. The structure consists of a driven steel pile combi wall tied back to the land with heavy tie bars and anchor piles. The combi wall consists of 24no. 1067mm diameter, and 15no. 1422mm diameter tubular piles. Associated groundworks include the construction of an 18m wide concrete ground slab throughout the length of the quay, with a bearing capacity of 10t/m<sup>2</sup>. The new quay will include fenders, bollards, grab chains, safety ladders, and all required services.



### *North Shields Fish Quay Protection Jetty (£2.7m)*

A design and build contract to undertake the complete refurbishment of the existing jetty structure.

### *Duke Street Berth Quay Repairs, Birkenhead (£1.6m)*

A design and build contract to undertake a series of repairs to an operational berth. This will involve concrete infill to a number of voids.

### *Stoneness Lighthouse, Thames Estuary (£360,000)*

Working from a Jack Up Barge within the Thames Estuary, the contract involved the replacement of an existing lighthouse structure.

### *Wilton Modular Unit Foundations, Teesside (£240,000)*

Construction of Reinforced Concrete foundations and upgrade of existing infrastructure in preparation for installation of new modular unit.

### *Durham Riverside Improvements (£185,000)*

The installation of erosion protection measures, as well as works to reinvigorate the surrounding riverside environment.

### *Tees North Gare Maintenance (£165,000)*

Removal of damaged concrete, infill of voids, and the placement of 50no. concrete blocks.

### *Hadrian's Yard Upgrade Works, River Tyne (£130,000)*

The upgrade of existing infrastructure in the form of installation of plinths, concrete ground slab, and drainage channel.

### *Manchester Waters Canal Wall (£130,000)*

A design and build contract involving the reinstatement of a 25m section of collapsed wall on the Manchester Ship Canal.

### *RNLI Gorleston Davit Arm Replacement, Norfolk (£105,000)*

The replacement of an inshore lifeboat davit arm within an operational lifeboat station.

### *Chester le Street Upstream Debris Catcher Replacement (£90,000)*

The demolition and relocation of an existing debris catcher, as well as improvements to existing access arrangements.