



# MACRETE

PRECAST CONCRETE ENGINEERS



**Macrete Ireland** Ltd is one of the UK's foremost precision precast concrete manufacturers. From our design and manufacturing facility in Northern Ireland the company supplies innovative bespoke products and structures to the construction industry's main contractors throughout Britain and Ireland. Since 1979 the company has developed sustainable long-term strategic partnerships with our client base and our range of reinforced and pre-stressed materials and bespoke coastal protection components can be found in many of the UK's most prestigious railway, civil engineering, water, utility, marine and sports stadia projects and schemes.





Our ethos of continuous product development and innovation has resulted in the company bringing to market a range of patented technologies such as the flexi arch bridge system, universal shaft linings and the vacuum-flush retention tank system. Since developing the flexi arch (pictured above) we have delivered more than sixty such structures across the UK and Ireland, and the system is also approved for Network Rail implementation.

## Our contract history

Our previous experience indicates the skills and experience that we can bring to any contract.

Through early contract involvement with our customers we can benefit the overall scheme, for example:

- Cost savings can be achieved.
- Responsiveness can be increased through economies of scale and the availability of more resources.
- Increased capacity and expertise mean that more can be achieved for less.
- Waste can be reduced by better decision making.

By promoting a culture of honesty and integrity, through collaborative working processes we can assist both our customers and us in gaining a competitive advantage in the marketplace.

By developing a common understanding of our combined aims and objectives, we believe we can assist our customers in bringing innovation to the works that we would deliver together.

A comprehensive company contract history can be found at **[www.macrete.com](http://www.macrete.com)**



## A selection of our recently completed work...

### Tottenham Hotspur Stadium for Mace Group on behalf of THFC



Macrete carried out the design, manufacture and delivery of the new stadium at Northumberland Park. Our involvement began in 2015 and our package of work was completed in early 2018.

With over 1500 loads of precast delivered on a just-in-time basis, this contract stress tested our capabilities, but we are pleased to say that we exceeded the programme requirements and we are proud and excited to have been involved on such a prestigious scheme.

More pictures can be found at:

**[www.macrete.com/macrete-projects-stadia/](http://www.macrete.com/macrete-projects-stadia/)**

### Dover Western Docks Revival for Volker Stevin on behalf of Port of Dover



Macrete are in the process of completing the manufacture and delivery of over 450 precast units, many weighing over 30 tonnes, to the ongoing regeneration scheme at Dover.

At our recommendation, these units have been shipped directly from Belfast to Dover, thereby contributing greatly to the overall sustainability and environmental targets of the scheme by taking over 250 deliveries off the UK's road network.

More information can be found at:

**[www.macrete.com/news/dover-western-docks/](http://www.macrete.com/news/dover-western-docks/)**

## Ordsall Chord, Manchester Hub for Skanska-BAM on behalf of Network Rail



In 2017 Macrete designed, manufactured and delivered precast arches, skewed arches and spandrel arches to this scheme at Manchester Hub.

More information on this scheme can be found here: [www.networkrail.co.uk/running-the-railway/our-routes/lnw/ordsall-chord/](http://www.networkrail.co.uk/running-the-railway/our-routes/lnw/ordsall-chord/)

## Thorndell Viaduct Replacement for BAM Nuttall on behalf of Network Rail



Precast deck units, parapet and edge beams for the refurbishment of Thorndell Viaduct, West Sussex.

A full trial build of the bridge was carried out on our premises prior to delivery to site.

Further pictures of the scheme can be found at: [www.macrete.com/projects/thorndell-viaduct-replacement/](http://www.macrete.com/projects/thorndell-viaduct-replacement/)

## **A465 Heads of Valley for Reinforced Earth Company on behalf of Welsh Roads Agency**



Macrete Ireland Ltd supplied 150nr 18m wide and 9m high TechSpan arches, each weighing 26 tonnes.

Techspan is a patented modular precast concrete arch system ideal for railway and highway applications.

Further pictures of the scheme can be found at:  
**[www.macrete.com/gallery-civils/](http://www.macrete.com/gallery-civils/)**

## **A465 Heads of Valley Schemes 1, 2 & 3 for Reinforced Earth Company on behalf of Welsh Roads Agency**



Macrete manufactured and supplied over 17,000m<sup>2</sup> of precast reinforced earth facing panels to the long-term construction of the A465 in North Wales.

## Rossall Flood Protection Scheme for Balfour Beatty on behalf of Wyre Council



This scheme opened to the public on June 1st, 2018. Since 2015 Macrete had manufactured and supplied over 10,000 precast elements to the works, consisting of revetments, wave walls, steps, stairs and promenade features.

More photographs of the scheme can be viewed at: [www.macrete.com/macrete-projects-marine/](http://www.macrete.com/macrete-projects-marine/)

## Anchorsholme Flood Protection Scheme for Balfour Beatty on behalf of Blackpool Council



Before the Rossall scheme, Macrete had previously manufactured and supplied over 1,700 precast units to the neighbouring scheme at Anchorsholme on the Fylde coast. A section of coastline was revived by installing revetments, wave walls and stepped wave breaker units. Since entering the coastal defence industry, Macrete have also successfully supplied solutions to schemes at Dymchurch, Redcar and Grimsby.

## The impact of our business operations on the local community and wider society

Our actions and advice always conform to relevant law, and we believe that all businesses and organizations should avoid causing any adverse effect on the human rights of people in the organizations we deal with, the local and wider environments, and the well-being of society at large.

We are fully committed to working in partnership with the local community in which we operate.

We continually strive to reduce the effects of our business operations on our neighbours by employing working practices which improve the environment in and around our operations. We interact with the local community by supporting local charities and sports clubs through sponsorship programmes. We also give full support to the individual fund-raising efforts of our employees.

We endeavour to forge and maintain working

relationships with local businesses by sourcing where possible our labour, equipment and material needs. During our operations we engage with the local community at a range of levels as customers, businesses, potential employees, residents and neighbours. Through our ongoing community strategy, we seek to contribute by promoting socially inclusive, non-discriminatory policies which help to develop our employees' skills, which encourage the disadvantaged and where possible, that help older members of the community and the disabled.

We always strive to be fair and objective in our advice and actions, and we are never influenced in our decisions, actions or recommendations by issues of gender, race, colour, age or personal disability.

## The environmental impact of our business operations

Our core strategic objective is to be recognised as a major provider of precast concrete technology, products, services and solutions. At the same time, we recognise the environmental impacts arising from our business activities and are committed to reducing these through effective environmental management.

We are committed to a policy of effectively managing environmental performance to minimise the impact of our business processes on the natural environment and the community at large. This commitment extends to all workplaces, employees

and others affected by our operations. We assess the environmental impact of our operations during planning, design and implementation phases to prevent pollution of the external environment.

We comply with all relevant environmental legislation as a minimum and, where practical, approved codes of practice and other requirements such as those specified by our clients. At all times, where possible, we incorporate sustainable environmental considerations into our manufacturing practices





having regard to energy and water consumption, use of low environmental impact materials, designing out waste and reusing materials. We also take reasonable and appropriate measures to ensure that our supply chain provides us with FSC / PEFC certified timber / timber products. We work to implement standards for good practice in reducing waste, recycling more, and increasing the use of recycled and recovered materials.

We continue to look at reducing the impact we have on the environment because of our operations - through innovation and a proactive attitude to energy reduction we decreased our carbon emissions by commissioning a wind turbine and solar PV array to produce around 50% of our electricity requirements. We hope to increase

this approximately to 75% in the next 18 months. We are cognisant of alternative fuel developments and continue to assess their potential commercial capabilities and economic viability.

The water we use in the manufacture of our concrete products is harvested rainwater or obtained from our onsite bore hole. Any excess water from our manufacturing operations is cleaned and recycled. All our waste wood is used in a heat recovery system to aid the manufacturing and curing process. Any waste or excess concrete produced is turned into walling products and sold to the local trade and agricultural sectors.



## Relations with our suppliers, partners and contractors

We endeavour to conduct our business honestly and honourably, and we expect our supply chain partners to do the same. As a business we focus on maintaining a strong and competent service, treating our stakeholders as mutual partners and working with the supply chain in a fair and ethical manner. We maintain strong working relationships and standards by consistently meeting agreed payment terms and evaluating the services that we provide. We insist that our supply chain members integrate on each project to guarantee our customers that we operate with a common goal and a shared vision from the onset.

We purchase a wide range of goods and services required in the operation of our business and we also rely heavily on several key suppliers for the delivery of our core services. Good working relationships within our supply chain are therefore

central to the success of our business. For this reason, we are committed to obtaining and retaining competitive goods and services while at the same time ensuring they are from sources which do not jeopardise human rights, safety or the environment.

More specifically we expect our suppliers to adhere to business principles consistent with our own; to ensure that their products and services comply with all legislation relevant to their business; to seek to maintain continuous improvement in our supply chain relationship; to ensure they adopt and implement acceptable safety, environmental, product quality, labour, human rights, social and legal standards in line with our own codes of conduct and to ensure these issues are acceptably managed within the supply chain for any products supplied to us.

## Relations with our employees

We are committed to promoting a good and harmonious working environment for all employees and will ensure a neutral working environment in which all employees are treated with dignity and respect. We recognise that our employees are our most valuable assets and their performance is the key to the quality of the service that we provide, and we always endeavour to offer, where possible, a long-term employment commitment to our staff.

Our recruitment is always carried out with regards to fairness, equality and consistency for all candidates. Recruitment practices will be inclusive,

and we strive to ensure there are no barriers to the employment of suitable candidates.

We provide our staff with the necessary guidance and training to ensure the effective and safe implementation of their day to day activities. This training is reviewed on a regular basis and re-training is carried out as legal requirements dictate. All training is carried out by approved third party external training providers. We are amenable to our staff undertaking further education courses for professional development. We offer flexible working conditions and incentivised bonus schemes.



Any employee who feels that he or she has grounds for complaint in relation to bullying, discrimination, harassment or victimisation has the right to pursue the complaint through our

documented grievance procedures. Our staff have access to independent HR advice should they wish. We also allow staff to join trade unions should they wish.

## Relations with our customers

We conduct all our activities professionally and with integrity and always act in accordance with fair business, marketing and advertising practices and take all reasonable steps to ensure the safety of our products and services. We take great care to be completely objective in our judgments and any recommendations that we give, so that issues are never influenced by anything other than the best and proper interests of our clients.

Our prices are always transparent and competitive for what we provide, which is a high-quality bespoke manufacturing service. We will always try to propose solutions which accommodate our clients' available budgets and timescales. We will agree our rates and schedules of additional charges clearly in advance, so that we and our clients can plan reliably for what lies ahead, and how it is to be achieved and financially justified. We always strive to cultivate long term mutually beneficial working relationships with our customer base and approximately 90% of our sales are with repeat customers.

The satisfaction of our customers is measured by the high percentage of repeat purchasing and by the testimonials we receive. We provide transparent and effective procedures that address customer complaints and contribute to fair and timely resolution of disputes without undue cost or burden to the customer.

We are committed to maintaining the highest degree of integrity in all our dealings with potential, current and past clients, both in terms of normal commercial confidentiality, and the protection of all personal information received while providing the business services concerned. We extend the same standards to all our customers, suppliers and associates.

The Macrete Ireland brand dictates a high level of quality, robust management systems and safe working environments. It is our goal to deliver all contracts on time, within budget and to the required quality. We operate a quality management system that is fully compliant with BS EN ISO 9001:2015 (Certificate Number FM00819), the company is also CE mark approved (Certificate Number 0086-CPR-607880) both of which are linked to the company business strategy.

We are registered on both Competefor and Builders Profile. We hold Constructionline Gold membership (Registration Number 127904), RISQS (Supplier Number 1670) Achilles UVDB audit (Supplier Number 052473) and Achilles Supply-Line (Supplier Number 701278) compliance, thereby giving customers the added security that our processes and systems are independently audited.

