

**CONSTRUCTING EXCELLENCE**  
NATIONAL AWARDS 2016  
**WINNERS**



# Welcome to the Constructing Excellence National 2016 Awards Winners

Constructing Excellence is a trusted and valued partner to UK government as well as the industry and its clients. Our UK-wide network is instrumental in driving improvement through the supply chain, and our Awards play an important role to recognise and inspire high performance in the sector.

We see the evidence of excellence in the industry not just in the detail within the award entries but in the feedback we receive and the facts emerging from our research, our workshops and our discussions with clients and government.

This year's response to our Regional Awards was exceptional and I would like to thank everyone who entered. Congratulations to all who were shortlisted in the National Final, they had already won at regional level and were now up for the 'best of the best' of these regional winners.

The priority now is not to keep these winners a secret, we need to share and learn from one another to grow and improve the sector at a time when 'Excellence through Collaboration' is vital for the industry. So please use all our shortlisted winners to improve your business, your customers and your colleagues to deliver outstanding performance for all - and then you might be with us next year celebrating your own achievements!

**Don Ward,**  
Chief Executive  
Constructing Excellence

# Young Achiever of the Year

## Winner

## Mike Reader



## Finalists

1. Natacha Redon (NE)
2. Mike Reader (East Mids)
3. Charlotte Homer (West Mids)
4. Oliver Caunt (SW)
5. Ben Llewellyn (East)
6. Katy Murray (SE)
7. Ged Ayres (Y&H)
8. Michael Norris (NW)
9. Sara Hedd Ifan (Wales)

In just 9 years Mike Reader began his career with Pick Everard as a Graduate Civil Engineer and is now the youngest National Director which the organisation has ever appointed. During this time, he has helped to propel the business forward by taking the business into new sectors and areas of work, consistently challenging traditional ways of working and offering more effective solutions. His positive outlook on the Built Environment has shown him become a true leader to his colleagues and peers which has made him an invaluable asset to the organisation.

Mike is also committed to upskilling the industry as a whole and works hard to engage with schools, colleges and universities to help bring on the next generation of talent. This has been channelled through a role as Student Liaison Officer with RICS Matrics, where Mike has delivered a number of workshops and lectures for students. He has also supported the West Midlands Construction Summit as a key presenter as well as a ghost writer for many industry blogs. Being an advocate for Women in Construction is a vital role Mike plays within his team to fully pledge events are delivered to encourage more women into the industry.

Mike's responsibilities range from day to day including overseeing the marketing and PR, major frameworks, bidding as well as business development. He has dramatically transformed a host of processes and systems within Pick Everard and contributed to significant business growth in the last five years in the UK and overseas.

# Leadership & People Development

## Winner

### Costain – M1 Smart Motorway J28-31



#### Finalists

1. Esh Group (NE)
2. Good to Gold, Woodhead Group (East Mids)
3. Lift & Engineering Services (West Mids)
4. Atrium Studio (SW)
5. RG Carter Ltd ( East)
6. Lift & Engineering Services (SE)
7. Costain - M1 Smart Motorway J28 -31 (Y&H)
8. iSTEM Centre, Preston's College (NW)
9. Lendlease North Wales Prison Project (Wales)

The one team approach and attitude for both Costain and Highways England to this flagship project is the key to their successes which has in turn led the project to achieving many firsts for the country. From the outset a high performing team was assigned to this project to set the bar for the workforce and extensive training was given to all employees including the clients and supply chain with the projects ambition, that every person on site will leave the project with improved skills and experience.

One of the first actions the team took to demonstrate their commitment to skills and development was becoming the first Highways England scheme to be granted Construction Industry Training Board (CITB) National Skills Academy for Construction (NSAfc) status. The team also recruited a Project Skills Co-ordinator, whose primary role was to hit and exceed the projects Key Performance Indicators. These KPIs were audited regularly by CITB to certify consistency in employment and skills during the project. This was also the first project in the country to be enrolled onto CITBs new KPIs, helping shape targets for the future of Skills Academies. Working alongside the Princes Trust the team regularly provided 'World of Work' tours as well as providing 12 unemployed the opportunity for a placement.

Out of the 12, 3 gained full time employment and were given the opportunity to upskill by completing NVQ's as well as being mentored. As well as the Princes Trust, the team also worked with the British Army with their 'Be the Best' initiative to again give those unemployed a placement on site. Along with the team's commitment to Supervisory, Managerial, Accredited and Advanced Health and Safety Training each of the Managers and Supervisors have gone through Behavioural Management Training.

The team engaged with a local translation company to ensure the Health & Safety on site rules were translated for those whose first language was not English. Additional training to those were given to assist with their NVQ's and other training courses. Weekly health and safety meetings were held to discuss what could be improved and what has been done on site with workers been awarded for their innovative ideas to improvements.

# Integration & Collaborative Working

## Winner

## Huddersfield Royal Infirmary



### Finalists

1. Water UK Programme (NE)
2. Heart of the Campus Development (East Mids)
3. West Midlands BIM Framework (West Mids)
4. The Green Build Hub (SW)
5. Blackdale Residences UEA (East)
6. Commercial Directors Forum (SE)
7. Huddersfield Royal Infirmary (YH)
8. Liverpool Schools Investment Programme (NW)
9. North Wales Construction Framework (Wales)

Collaborative and integrated relationship with the Trust and their partners has provided long-term value and has significantly improved the condition of the estate and the environment for staff, patients and visitors.

Two of the four behaviours expected from all Trust employees include putting the patient first and working together to get results, these are embedded within the dedicated project team who are based on the site.

The ProCure21+ framework gives the partners a unique opportunity to improve and innovate, ensuring value for money and the highest clinical outputs for patients and staff.

The project team have listened via post occupancy evaluations and project reviews and captured lessons learnt from project to project. These have facilitated and created an environment of continuous improvement which has

helped squeeze every pound for the Trust during a period of deep austerity.

The collaborative relationship has achieved many of the goals recognised within the 'Construction 2025' vision, namely reducing costs, project programmes and emissions whilst delivering high levels of customer and product satisfaction.

The quality of care is improving has highlighted in recent patient surveys and independent audits from the Care Quality Commission.

Some of the tangible benefits of our work include:

- The ward redevelopment programme has generated around 20% cost saving from the initial ward project.
- The operating theatre programme is generating savings of circa 16%.
- The delivery timescale for the ward refurbishment programme was reduced from the original 26 weeks per ward to 17 weeks per ward, a 34% saving.
- The Trust has also invested heavily in energy efficient plant and technologies, these include energy efficient boilers and LED lighting and they are starting to see a significant reduction in emissions.
- Trust operations are more efficient, helping to reduce waiting times and increase patient throughput.
- Integrated and collaborative working has delivered more for less for the benefit of the HRI redevelopment

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Calderdale and Huddersfield  
NHS Foundation Trust



# Health & Safety

## Winner

## Stoke Quay, Ipswich



### Finalists

1. Applebridge Construction (NE)
2. A14 Kettering Junction 9-7 (East Mids)
3. Lift & Engineering Services (West Mids)
4. The Flagship (SW)
5. Stoke Quay, Ipswich (East)
6. Safety 2015 & Beyond (SE)
7. bmJV M1 Jn39-42 Smart Motorway (YH)
8. Farnworth Tunnel (NW)
9. Kier Construction Western & Wales (Wales)

The £58m major urban regeneration project is in the historic docklands area of Ipswich on a disused brownfield site, and has brought 386 new homes and commercial accommodation to the town. ISG's involvement in the project began with an initial enabling contract, encompassing the demolition of a number of structures on the site bordering Stoke Quay.

Following this, there was an intensive 24-week dig by Oxford Archaeology of a 'lost' 7th Century Saxon church and cemetery. The excavation generated a great deal of interest and a viewing platform was erected to give visitors a unique perspective of the dig's progress.

The design of the scheme makes full use of the sloping nature of the site and incorporates a basement car parking structure, which doubles as a flood defence measure. The new homes are effectively built upon a ground floor concrete podium deck, which spans the entirety of the site, with the basement providing car parking for 212 vehicles and 598 secure bicycle spaces. For the Podium design, was completed to allow no residential traffic, bollard control for refuse cart and fire tenders only - 'Home Zone'.

The mixed-tenure scheme features 25 terraced town houses and five blocks of flats, and includes affordable housing and ExtraCare supported accommodation.

The scheme achieved 1.9 million hours without a 'Lost Time Accident' during the construction period. By constantly engaging with the sub-contractors, the team were able to achieve an outstanding result.

ISG operate with approved BSI accredited management systems and procedures. H&S staff are fully trained to NEBOSH accreditation.

Key areas of derisking the project have been developed.

- Cranage strategy
- Working at Height
- Use of ISG 'minimum standards'
- Supplier partnering
- CSCS checking
- AED provision
- Work Well – Live Well campaign
- Confidential lines
- ABC
- Daily Activity Briefings

The project clearly demonstrates that with appropriate management, and a well organised team and approach, major projects can be delivered safely. With the considerable workforce on site, the team had to be extremely vigilant and ensure works were carried out in the correct manner.

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# Heritage Award

## Winner

## Revealing the Roch



### Finalists

1. Fulwell Sound Mirror (NE)
2. Marble Hall (East Mids)
3. RSC Swan Wing (West Mids)
4. Cannington Court (SW)
5. Boardman House (East)
6. The Half-Moon Reservoir De-Silting Works (YH)
7. Revealing the Roch (NW)

Revealing the Roch restores key parts of Rochdale's built and natural heritage. The importance of the River Roch and Rochdale Bridge to the development of the town is twofold; firstly, they made a major contribution to local wealth which in turn paid for the many fine buildings in the town centre. Secondly, the river defines the way the town centre is laid out and while it was hidden the alignment of many historic buildings made little sense. An independent study into regeneration opportunities for Greater Manchester town centres identified heritage as Rochdale's unique selling point. Rochdale Council decided to take this opportunity and invest in heritage led regeneration.

Archaeological research revealed historical evidence from 1324 that indicated there was a bridge across the Roch. Reports from the Lancashire Quarter Sessions show investment in repairs and extensions in 1667 and 1787. The final phase of the masonry bridge was built in 1820-24. The River Roch has excellent water quality and supports a broad range of riparian species but due to channel flowing being canalised natural flora and fauna cannot thrive. Studies by the River Restoration Centre and Irwell River Trust showed what species could establish given the right conditions and a

geomorphologist was commissioned to redesign the river bed to create these conditions. The concrete has been broken out and clasts concreted in to form bed checks that will cause river sediment to accumulate and form a sinusoidal channel to encourage habitat creation along with aquatic plant species planted at the river walls. These aspects of the project contribute to achieving the requirements of the EU Water Framework Directive.

Rochdale Town Centre is liable to flooding and this risk was exacerbated by the culvert. Hydraulic modeling of the river at the business case stage showed how the project helps to limit flood risk and impact to properties in the town centre including many buildings of significant historical importance. In the December 2015 floods this proved to be accurate and the project mitigated the flood impact in the town.

The project achieved additional value by investing in an activity programme which involved over 8,000 local people through opportunities to learn about the built and natural heritage, to volunteer to help deliver activities and to learn new skills including artifact curation; stone masonry; and how to use lime mortar.

ch2m



Donald Insall Associates  
Chartered Architects and Historic Building Consultants





# The Legacy - Sustainability Award

## Winner

## Wallasea Wild Coast



### Finalists

1. Fellgate Flood Alleviation Scheme (NE)
2. Montague House (East Mids)
3. One Planet Company (West Mids)
4. The Truro Eastern Park & Ride (SW)
5. Wallasea Wild Coast (East)
6. Elmsbrook North West Bicester (SE)
7. Lovell Partnerships (YH)
8. Leigh to Ellenbrook Guided Busway (NW)
9. B&Q Eco Learning Store (Wales)

Wallasea Island Wild Coast Project is a landmark environmental scheme made possible due to a unique partnership between Crossrail and the RSPB, which gave a mutually beneficial, sustainable solution to bring 3million tonnes of tunnelled spoil from London to Wallasea Island by marine transportation. Located eight miles north of Southend, Essex, the project aims to transform 670 hectares of farmland back to the coastal marshland it once was over 400 years ago.

The RSPB developed the scheme to prevent uncontrolled flooding of the land and simultaneously recreate intertidal habitats to support wildfowl (including many rare European migratory species) and continue support of shell fisheries and fish nurseries to enhance fish stocks in the wider estuary systems. New habitats, particularly developing tidal saltmarsh, have the ability to sequester and store carbon from the saltmarsh plants. It is estimated that Phase 1 'Jubilee Marsh' has the potential to sequester over 500tonnes of carbon per (equivalent to 1835.5tonnes CO<sub>2</sub>) per year.

By 2025, the RSPB plans to have created 148 hectares of mudflats, 192 hectares of saltmarsh, and 76 acres of shallow saline lagoons. Around eight miles of coastal walks and cycle

routes will allow people to get closer to the island's spectacular wildlife.

Sustainable benefit has been quantified during construction works with 150,000 lorry journeys prevented, equating to 12 million road miles, with water transport being twice as fuel-efficient per tonne moved. Wallasea has shown that movement of large volumes of tunnelling spoils from London is feasible, providing a synergistic opportunity for beneficial reuse that would otherwise have gone to lower grade usage.

In recognition of the environmental impact caused by construction and further minimising fuel consumption, BAM Nuttall used a fleet of the newest fuel-efficient and low-emissions plant coupled with exceptional spatial planning. Project electricity was procured from certificated 100% renewable sources and low embodied carbon (high% GGBS) was specified for construction concrete.

BAM Nuttall are working with the RSPB to maximise future opportunities to bring material to Wallasea for further phases of work.

# Innovation

## Winner

### The Enterprise Centre UEA, Norwich



#### Finalists

1. Aone+ Area 14 (NE)
2. Good to Gold, Woodhead Group (East Mids)
3. Virtual Acoustic Reality (West Mids)
4. The Drawing Studio (SW)
5. The Enterprise Centre, UEA (East)
6. Hursley Wet Waste Processing Facility (SE)
7. ARC T-Barrier (YH)
8. Knowledge Transfer Partnership - Life Cycle Costing in Construction (NW)
9. coBuilder (Wales)

Securing a number of global firsts, whilst challenging the industry to think differently, The Enterprise Centre is a symbol of innovation. Not only is the building a BREEAM Outstanding and Passivhaus centre, its targets from concept, empowered the team to innovate at every stage.

It began with an innovative client - breaking new ground with a unique procurement route - empowering a contractor-led delivery team to rip up the rule book, bringing changes to the design and construction. Seven key areas were

1. Passivhaus
2. BREEMA Outstanding
3. 75% lower carbon
4. Local suppliers
5. Bio based material spec
6. Soft Landings with 3 year POE
7. 100 year design life

A new type of low carbon concrete was pioneered with a unique mix of 70% GGBS (a by-product from the iron industry) with recycled sand and aggregate was the first of its kind to be used on this type of project.

Using a timber frame isn't necessarily innovative but by working with the BRE and Forestry commission to use local Thetford Corsican Pine Timber that is usually only used for fencing and pallettes, opened the industry's opportunity to using the resources available in their our own back yard.

Reducing water use was one part of the design, but the project went one step further in the way it considered energy used to treat water being re-used. Slim-line storage tanks within the perimeter walls of the WC core act to collect and filter the water as it falls under gravity from the roof. The design used the water nature provided with minimal man-made interference.

The thatch cladding is a global first - by creating a design that allowed Norfolk and Suffolk straw to be thatched into FSC Timber cassettes, it enabled the thatchers to work through the winter, whilst the finished wrap on the building provides a uniquely beautiful yet insulative cladding to the envelope.

The design's attention to detail achieved an industry leading 0.21 ACH@50 Pa for a building of its size, driving its Passivhaus certification.

Its innovations mean it's the best place on campus to learn, and the best environment for business to work.

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CONSTRUCTION  
INFRASTRUCTURE

# Value

## Winner

## Rethinking Housing Delivery



### Finalists

1. The Percy Hedley Hydrotherapy Pool & Bradbury View Children's Home (NE)
2. Rethinking Housing Delivery (East Mids)
3. Sandwell Council (West Mids)
4. Weir House (SW)
5. United Reform Church (East)
6. Leisure Energy Sustainable Savings (SE)
7. National Major Projects Framework West Yorkshire Smart Motorways (YH)
8. Cyfarthfa Retail Park Development (Wales)

Rethinking housing delivery is all about adding value at every stage of the process. The project was procured through the Efficiency East Midlands Framework (EEM). Members work together to deliver sophisticated and seamless asset management solutions, to drive quality up and cost down. By procuring a three year programme of work as opposed to piecemeal one off projects, the delivery team can have the confidence to invest in apprentices, their workforce, deliver economies of scale and make other meaningful local commitments such as local spend and employment, all of which adds significant value to projects.

A collaborative procurement process benefited A1 Housing by reducing lifetime maintenance costs and stock consistency and items were purchased through the EEM Framework delivering buying gains.

The homes have been designed to very high aesthetic standards and comments received indicate that the new homes do not look like council properties. This helps to raise aspirations in the area and improve the neighbourhood. Contractors recommended products and design items to meet the required standards such as solar PV but also offered added value in

terms of reduced lifetime maintenance costs which will benefit the client for many years.

A three year collaborative relationship has been built with North Notts College, with 80 one-week placements promised over the life of the project. In Phase 1, over 300 students have been engaged. Contractors have committed to providing work experience during the lifetime of the project, which would not have been possible without the clear pipeline of work, including supporting apprentices.

Regular design clinics were held on site with the design team and subcontractors with the purpose of improving design to deliver a successful project. E.G. the sprinkler system was improved to a mains feed system as opposed to a tank system which will reduce maintenance costs.

To ensure the project was seen as a positive development by local communities they were

engaged and involved in the process. A consultation event before starting on site was so well attended and weekly drop in sessions for local residents were held. This led to a number of added value design changes to benefit tenants.

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# SME of the year

## Winner

## McNally & Thompson



## Finalists

1. McNally & Thompson (UK Contracts) Ltd (NE)
2. BE Design (East Mids)
3. O'Brien Contractors (West Mids)
4. Helm Construction (SW)
5. Extremis Technology (East)
6. Cheesmur Building Contractors (SE)
7. CGL (YH)
8. Manchester and Cheshire Construction Co Ltd (NW)
9. Cambria Consulting (Wales)
10. Andrew Scott Ltd (Wales)

McNally & Thompson's owner, Fred Hood, bought into the business back in 1997 when it only employed 6 members of staff and had a turnover of £220,000. Since then the business has developed into the £7m company employing over 50 staff which is increasing year on year due to its building client relationships and collaborative working with stakeholders. As a company they aspire to be the 'first choice electrical solution' for their clients, and develop their business values to be central in all that they do.

People development is critical to the continued success of the business and in the last 3 years have invested over £60K in external training for the workforce, providing over 700 training days for apprentices and electricians. Training and development feeds into delivering our core business values and is carried out in various ways including formal training, online learning, coaching and mentoring.

They have overcome the barriers of a debilitating recession by strategically investing in improving year on year. 2015 results for client satisfaction are at an average high of 91% a vast improvement from the days when they first started to measure at a goal of 75%

Evidence of adopting best practice can be summarised by their many accreditations which include: NICEIC, CHAS, MCS, Constructionline and Fred also sits on the committee for the NE Constructing Excellence Club. Business improvement has been achieved through considered strategic thinking with key measures including:

Customer satisfaction is 91% - up from 88%.

Team delight: 8.7 – up from 8.4.

Turnover: £7.1M – up from £5.1 2 years ago (£8M predicted for 2016)

Profitability: up by 25% from 2 years ago

During design of electrical systems they ensure the use of efficient designs are proposed to ensure maximum BREEAM ratings and part L compliance, being involved in delivery of several Excellent rated projects. We are committed to a local spend and almost 75% of our procurement is within the region.

Exceptionally high delivery of safe electrical design and installation is critical to their success and the culture within the team is demonstrated by having worked over 600,000 people hours with only 2 reportable incidents.

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# BIM project of the year

## Winner

## 4D Bim for Track Renewals



4D BIM for Track Renewals is a truly innovative tool that addresses the long-standing issue of programme overruns in railway track upgrades. It provides a visual environment that reduces risk, delivers programme certainty and improves team collaboration for those working in building information modelling environments.

It has the potential to be applied across the rail industry both in the UK and internationally. Its ultimate impact can be traced through the renewal project teams up to reliable operational railways for millions of commuters and the businesses they work in that drive our economy. It is an outstanding example of technology and digital approaches being developed and applied in construction to drive better outcomes – not just for our industry – but for our wider society as well.

As a leading infrastructure service provider, Network Rail had been frequently experiencing programme overruns of its track renewals due to planning errors. This was costing several millions of pounds and causing severe disruption to train services and the commuters who use them.

4D BIM for Track Renewals helps to address this significant issue by providing an easy-to-use visual tool that Planners

can use to produce construction schedules within a virtual 3D site. It allows them to quickly understand the length of time a renewal will take and to assess clashes, explore alternative planning options or produce cost efficient and error free schedules. The technology platform has a carefully designed user interface that matches the thought processes, saving time, reduces cost in delivery and helps to ensure smooth operation of the rail network.

The realisation of 4D BIM for Track Renewals is the result of extensive collaboration between the University of Salford's THINKlab team and Network Rail with in-use development and prototyping on live projects.

It has the potential to be applied across all infrastructure, and to support the provision of reliable operational railways for millions of commuters and the businesses they work in that drive our economy; a significant legacy benefit. It is an outstanding example of technology and digital approach being developed and applied in construction to drive better outcomes – not just for our industry – but for our wider society as well.

## Finalists

1. Priority Schools Building Programme (NE)
2. The Meadows Project (East Mids)
3. Habberley Learning Campus (West Mids)
4. The Faculty of Business & Law University of West of England (SW)
5. Land Rover BAR Americas Cup HQ (SE)
6. East Riding Leisure, Bridlington (YH)
7. 4D Bim for Track Renewals (NW)
8. Holywell Learning Campus (Wales)

# Client of the Year

## Winner

## South and Mid Wales Collaborative Construction Framework



### Finalists

1. The Percy Hedley Foundation (NE)
2. Leicester City Council (East Mids)
3. WM Housing Group (West Mids)
4. Merlin Housing Society (SW)
5. Big Sky Developments (East)
6. Peabody Trust Property Services (SE)
7. TPP Ltd (YH)
8. Wigan Council (NW)
9. South & Mid Wales Collaborative Construction Framework (Wales)

The first of its kind in Wales, SEWSCAP is the largest cross sector collaborative procurement framework which is setting an example for similar bodies. The Framework was originally set up by the South East Wales Schools Capital Working Group with the primary objective to share best practice in the procurement of the 21st Century School projects, and has exceeded all expectations.

It is now on its second iteration having successfully delivered over 45 projects and a total tendered value in excess of £500 Million. The framework was formed in such a way as to maximise opportunity for smaller companies to bid into appropriate sized lots, to encourage consortium collaborative bids and with a strong emphasis on ensuring local supply chain, employment and apprenticeship opportunities were considered and promoted.

The key to the successes of this arrangement are the shared objectives, processes and tools embraced by all clients and contractors facilitating a less adversarial, common approach and resulting in an average client satisfaction. As well as

collaborative and integrated working to provide their clients workshops or meetings the team acts as one voice ensuring the same vision and values are spread throughout the industry. In 2015/16 the framework added new clients as well as introducing a new website, user guide and email address so contractors and clients can directly get in touch with the team.

### Key Outcomes of SEWSCAP Include

- An improved forward programme, shared with all parties on a quarterly basis
- The benefit of all the learning from four years being shared with all clients
- Workshops and ongoing dialogue with contractors, clients and support organisations on how projects can achieve best practice
- A strong commitment and evidence to show employment of local subcontractors, shared apprenticeships and local

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# Achiever of the Year

## Winner

## John Gittins



## Finalists

1. Andrew Kitson (NE)
2. Paul Fowles (SW)
3. Dayle Bayliss (East)
4. Jacqueline O'Donovan (SE)
5. John Gittins (YH)
6. Anthony Rees (Wales)

John re-joined Interserve Construction back in 2013 from where he originally began his career as a trainee. On his return it became apparent that staff morale and order book were both low. His vision for the next five years was to turn this around by instilling his passion for the company and the industry. To achieve this, John set out 6 key areas for the business unit's success which included restructuring the business unit; innovation and modernisation; raising standards; a collaborative approach; more sustainable business and improving communications.

Within each of those key themes, John invested highly into making the office open plan to ensure communication was improved across all of the teams to change attitudes to work more collaboratively as 'one team'.

A senior management team of seven people was put in place and barriers were removed to create a unified team with the sharing of knowledge, expertise and resources to work more efficiently.

Investing heavily in IT to improve mobile and agile working and resolve issues more quickly. BIM and Project Vault were

brought in to share information more efficiently. Improving the work environment by making the office open plan, created more space to improve communications and team building.

Health and Safety remains John's key priority, with Don't Walk by campaigns and Inspire behavioural training being implemented.

The introduction of supply chain awards to recognise quality, safety, innovation and collaborative working as well as introducing a fair payment scheme. The business has also achieved the BS11000 collaborative working standard.

John has implemented our SustainAbilities™ plan to meet a number of ambitious targets by 2020. This includes having five outcomes, 15 goals and 48 targets and revolves around improving the communities that we live and work within to improve economic, social and environmental outcomes. Employees were also encouraged to give a day of their time and contribute to the Interserve Employee Foundation to raise monies for local charities.

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# Project of the Year: Civils

## Winner

## Morpeth Flood Alleviation Scheme



### Finalists

1. Morpeth Flood Alleviation Scheme (NE)
2. Cheltenham Racecourse (SW)
3. Wallasea Wild Coast (East)
4. Broomhill Sands and Coastal Defence Scheme (SE)
5. Great Yorkshire Way (YH)
6. Farnworth Tunnel (NW)
7. A465 Dualling Section 3 (Wales)

The devastating floods of 2008 saw more than 1,000 properties flooded in the town of Morpeth with families being forced out of their homes for many months. Morpeth and the surrounding area has a long history of flooding dating back to the 1830s with more than 21 flood events have been recorded during the last 180 years.

The importance of a solution that reduced the risk of repeat flooding was paramount. Previous options focused on significantly increasing the height of existing flood defences which would disconnect the community from the river and make the defences visually

intrusive. In addition, the Wansbeck is an environmentally sensitive watercourse supporting a nationally important population of endangered white-clawed crayfish. The solution was to reduce flood risk put the community at its heart, combining existing defences in Morpeth with new town defences to achieve a consistent 1:50 year Standard of Protection (SoP). This was supplemented by the provision of an upstream storage area (dam) to increase the SoP to 1:137 year return period, as experienced in the 2008 floods; or a 0.7% of flood happening in any given year

This scheme, the largest in the north east, has been a partnership since conception with works being jointly funded between the Environment Agency and Northumberland County Council. There have been many technical challenges to overcome which were resolved collaboratively with Balfour Beatty and their supply chain. Certainly, working in a historic market town and building a large dam accessed through narrow country roads is a great achievement. Significant consultation with residents and landowners had to take place before any actual construction began. A key feature throughout has been close working and cooperation between professional partners and also the community, including the Town Council and Morpeth Flood Action Group, who have all worked together to bring about the finished scheme.

The success of this project is testament to the hard work and cooperation of all involved and it is fantastic to see the work now complete and the town of Morpeth protected for future generations. A close working relationship with the community was key to developing the scheme design and delivering the construction phase.



# Project of the Year: Building

## Winner

## Factory 2050



### Finalists

1. Hebburn Community Hub ( NE)
2. The Greestone Centre (East Mids)
3. New Street Station (West Mids)
4. Cook Robotham Architectural Bureau (SW)
5. The Allen Building, Downview Primary School (SE)
6. Factory 2050 (YH)
7. Noah's Ark Childrens Hospital (Wales)

The University of Sheffield's high profile Factory 2050 project at Sheffield Business Park, is the latest development by the University's Advanced Manufacturing Research Centre with Boeing designed to meet the future needs of aerospace and other high-value manufacturing industries.

The building design is unique and the completed project provides a superb environment for both researchers and engineers. Meeting the project vision meant reimagining the operational and aesthetic form of the research and manufacturing environment through stakeholder consultation workshops. Understanding what this meant for the built form required expertise from a range of disciplines. The result was a four-storey fully glazed circular research building and a traditional rectangular double height volume workshop building, totalling 6,699 m2

Design development began with a partnering workshop to fully integrate the team and ensure success for this fast moving and technically challenging project. This was followed by a series of design and value engineering workshops with the single project delivery team which reduced costs by £1.83m, circa 10% of the

original tender figure. The options were well received as they didn't alter its design or functionality.

The project embraced Level 2 BIM with a fully coordinated model and a project extranet system, Project Vault, established to act as a common data environment and ensure all parties had access to the latest information. Fly through BIM model videos brought the 2D information to life and allowed stakeholders a much greater understanding of the development.

The works were split into two sections due to a requirement to identify costs separately for funding purposes.

Section One - Off site infrastructure works and services required to service Factory 2050 including fencing off the Sheffield Business Park to create a separate site access route and road connection to the Europa Link highway.

Section Two - Construction of the Factory 2050 buildings comprising a four-storey circular building, two level link reception building, single level (double height) rectangular building and a new energy hub.

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**CLOCS**

## Clients: Take ownership of road safety in your supply chains

The CLOCS Standard enables a fair and consistent approach to managing safety beyond the site gate, aiming for zero harm across all construction operations.

- CLOCS is a fair national standard for operators to adhere to
- Work together to raise safety standards and ensure compliance
- Become an integral part of raising road safety standards and protecting vulnerable road users

## Ensure your fleet operators meet the CLOCS Standard

For CLOCS visit  
[www.clocs.org.uk](http://www.clocs.org.uk)



## Operators: Demonstrate compliance to CLOCS through FORS

FORS is an accreditation scheme delivering safety, environmental and efficiency benefits for fleet operators by encouraging the adoption of best practice industry standards.

- Demonstrate compliance with the CLOCS Standard through FORS
- Show your commitment to being a safe and compliant operator
- Become an integral part of raising road safety standards and protecting vulnerable road users

Discover how your operation can benefit from **FORS** - *register now!*

To register with FORS  
[www.fors-online.org.uk](http://www.fors-online.org.uk)





