



2018

Awards

Winners

Headline Sponsor

Without our sponsors, we could not host what has become such a great celebration of Welsh construction, so thank you once again to our headline sponsor Costain and all our supporters in this, our twelfth year of the CEW Awards. All of our sponsors are tremendous supporters of Wales, its supply chain and the best practice principles advocated by CEW and the wider industry. Thank you for your ongoing commitment. For so many of our stakeholders – and this is proven in all the award entries we receive each year – collaboration is now second nature. It is just 'how we like to work' to so many of you: in partnership with customers, with employees and teams, with businesses and suppliers, with the communities you serve and the natural environment. Wherever we work as an industry, we create real legacies for future generations, in terms of skills, knowledge, aspirations and an improved environment. That's what we are celebrating at the CEW Awards with the help of our sponsors. Thank you.



Our purpose is to improve people's lives by deploying technology-based engineering solutions to meet urgent national needs across the UK's energy, water and transportation infrastructures. We are justifiably proud of our track record in Wales including Porth Relief Road, Church Village Bypass and Port Talbot Harbour Way.

We are currently delivering Section 2 of the Heads of the Valleys road and the early stages of the M4 Corridor around Newport, M4 Junction 28 and Brynglas Tunnels refurbishment projects.

In June 2017, we received the prestigious Business in the Community (BITC) 'Wales Large Responsible Business Award' at the annual awards ceremony in Cardiff. The award recognised an exceptional commitment to responsible business practice and highlighted the recruitment of over 65 apprentices on Section 2 of the A465 Heads of the Valleys project and the outstanding refurbishment of the memorial garden at Tŷ Hafan's Children Hospice in the Vale of Glamorgan.

Costain is proud to have received several CEW awards, including the UK Best of the Best Award for Porth Relief Road in 2007.

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Introduction

Well done to each and every one of you in the Winners Brochure!

This past year has been somewhat of a breath-taking roller coaster of news, views and events in politics and not least construction.

The world is changing and we need to keep pace. Construction must constantly evolve and lead from the front and not be driven by events. Thankfully, the examples of best practice captured in this winners' brochure proves that Welsh construction remains ahead of the curve.

According to the Rt.Hon. Greg Clark MP, UK Secretary of State for Business, Energy and Industrial Strategy in the Foreword to the 'Industrial Strategy – Construction Sector Deal' published recently, 'We are in the early days of one of the greatest construction programmes in our history...' It might not feel like that to some in Wales in light of recent announcements concerning major projects...The collapse and subsequent debate about Carillion has shone a light on how construction operates.

Yes, we can argue that the media and the parliamentary committees have almost forensically examined the wider outsourcing model delivering critical services across the UK – but fundamentally its construction, our industry that has been in the spotlight.

Ask yourselves this: how have we responded?

Then, consider the ongoing reports into the Grenfell Tower tragedy. The behaviour of the

construction companies involved, up and down the supply chain and their client have been severely criticised – probably justifiably. Should not the ethics, and the idea of doing the right thing have been at play after Grenfell and in the management decisions taken by the contractors? The same applies at Carillion. The notion of best practice, collaboration and integrated teamwork implies an ethical approach to service delivery.

The principle of adding value in the longer run is underpinned by ethical decision making. The UK Government's Construction Sector Deal will seek to 'Embed 'procure for value' in public procurement and build capability to do this through the Infrastructure Projects Authority and government departments across Whitehall'. Is this the beginning of the end of price as the determining factor...? Is ethical decision making on its way...?

Our industry has a duty of care to the communities that will ultimately be the end users of the roads, schools, hospitals and houses we build. So, we must do it right. That is why best practice as championed by CEW remains so vital. The evidence for it is here in these Award winning projects and the people behind them.

- What you do works.
- What you are doing adds value.
- What you do breaks down barriers.
- What you do creates a legacy for Wales and its people.

We do acknowledge that the construction sector in Wales has made significant progress over the last few years, but to continue to improve, to create the built environment demanded by future generations – this requires a more united industry. Because you have entered the awards – there is an implication you agree with the ideas championed by CEW for a collaborative approach to procurement and the principle of adding value. But what we need now is more action, more commitment. You need to ask yourselves what you really want.

You have told us that:

- you want CEW to continue;
- you want CEW to be a voice for industry acting as a champion for best practice, a champion for ethical, sustainable service delivery.
- CEW should be the advocate for change.

But if CEW is to deliver what you want then it needs backing from you – it needs the industry to sign up as members and take a stand. Take that step and become a member of CEW.

That one step by each of you will create real momentum and give weight to our arguments. It will be a movement for change that Government, public sector and private sector can, must and will listen to.

Thank you

Rhodri-Gwynn Jones

Chair, Constructing Excellence in Wales

Award Judges

Without the support and commitment of our judges, we would not be able to run the awards every year. We would like to express our sincere thanks to each of them, they are the unsung heroes for our awards programme.

Andrew Brown
Director, Frank & Brown Ltd

Mark Davies
Director, IMD Systems

Mike Edmonds
Director, Altmor Partnership

Professor John Edwards
Director, Edwards Hart Ltd

Ed Evans
Director, CECA Wales

Trevor Francis
Programme Director for Building Surveying, University of Wales, Trinity Saint David

Vince Hanly
Consultant, V H Procurement Consulting Ltd

Rhodri-Gwynn Jones
Chair of CEW

Helen Kane
Director, Access Included

Colin King
Director, BRE Wales & SW

Colwyn Knight
Construction Consultant, CRK

Stephen Lawrence
Development Director, Mott MacDonald Ltd

Rhys Lewis
Director, Revizto

Phil Lumley
Director, KPL Associates Ltd

Tony Norris
Partner, Geldards LLP

Jane O'Leary
Operational Manager, Vale of Glamorgan Council & PPP Technical Advisor, WG

Tim Peppin
Director, Regeneration and Sustainable Development, WLGA

Ioan Prydderch
Partner, Hugh James

Darren Richards
Managing Director, Cogent Consultancy Ltd

Trevor Richards
Director, Cogent Consultancy Ltd

Daniel Rossiter
Senior BIM Communicator, BRE

Lynda Sagona
Chief Executive, United Welsh

Stella Saunders
Principal Designer, Cardiff Council

Andy Sutton
Associate Director, BRE Wales

Nick Tune
Digital Engineering Director, Atkins

Professor Andrew Thomas
Director, Diligentia

Pierre Wassenaar
Director, Stride Treglown

Andrew Wedlake
Board Director, CEW

Integration & Collaborative Working Award

Judges: Mike Edmonds Vince Hanly Phil Lumley

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IQE CS Cluster

Project Value £39.7m

The location of this project was the old LG Packaging and Testing Building on Celtic Way, Newport; a Welsh Government owned building that has stood empty since 1996. The challenge set by IQE, world leaders in compound semiconductor wafer products, in December 2016, was to task Atkins with delivering a £39.7m construction project from inception to handover within 2 years.



The team immediately set about converting the building from an empty shell into a world class compound semiconductor production facility. To maintain the programmed completion date set by IQE, the team had to overcome many challenges which included achieving planning permission inside 12 weeks from appointment. This was only made possible by completion of the multi-disciplinary design to RIBA Stage 3 in the same timeframe, an extraordinary result considering the number of disciplines involved; from acousticians to ecologists and architects to process engineers. Further challenges included assisting IQE in securing City Deal funding, environmental permitting constraints, restrictions in availability of local utilities and long lead items.

The project team and, in particular, Faithful+Gould, played a key role supporting IQE on supporting the City Deal Funding for the scheme. The timescales for securing the funding were longer than first anticipated but this did not slow down the project team who continued to develop the design and construction proposals.

The commitment to the project has surpassed contractual requirements with significant levels of trust and understanding developed between all parties. This allowed a 'no blame' culture to prevail and the work to continue at significant speed.



"The commitment to the project has surpassed contractual requirements with significant levels of trust and understanding developed between all parties."

SME of the Year (1-50 employees)

Judges: Ed Evans Helen Kane

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Wynne Construction

With the passion and commitment to deliver excellence in their building designs and solutions Wynne Construction has achieved extraordinary success in 2017, resulting in a growth of 30% in turnover.



The catalyst for this growth was the successful bid to become a member contractor on the £200m North Wales Construction Framework, placing Wynne Construction in the enviable position of competing alongside four of the big national contractors for projects under the 21st Century School Framework.

Growth has been achieved through developing best practice and by the adoption of BIM Level 2 technologies and standardised design solutions which align with Welsh Government targets. Their commitment to growth in turn creates sustainability for both the local North Wales economy and for their integrated, indigenous SME supply chain.

Fundamental to their success and sustained growth is their investment in the training and development of their employees and supply chain partners. They have demonstrated that they have built a competitive advantage, innovation aligned with their larger industry peers. The development of internal mechanisms has enabled Wynne Construction to share knowledge and industry best practice with their staff, supply chain and clients.

Wynne Construction has excelled in business growth with the achievement of the PAS 1192:2 accreditation putting them at the forefront of BIM in Wales and the UK. They invested over £200k in BIM Level 2 software, hardware and for training and development of their staff, supply chain partners, clients and design teams. As a result of this level of investment 30% of their local supply chain are now BIM mature.



“Wynne Construction has excelled in business growth with the achievement of the PAS 1192:2 accreditation putting them at the forefront of BIM in Wales and the UK.”

SME of the Year (51-250 employees)

Judges: Ed Evans Helen Kane

Award Sponsored by



WRW Construction

Established in 1985, WRW are a reputable Welsh construction company. As a family business, they have grown organically over three decades and have gone on to develop their business in various sectors of the construction industry across Wales.



They are focused on engaging with and developing best practice in construction. Their philosophy is that their employees are their most important tool for growth. Their Chairman, Robert Williams, was recognised with an MBE for his commitment to skills development and training with the industry.

A company restructure has seen former Business Development Director Jon Williams take over the helm as Managing Director. The transition was made ahead of the company's five year plan as the business made some huge leaps forward during its 31 year existence. WRW have always looked to improve as a business and have set ambitious, but achievable, business targets for the years ahead which, to date, have been reached ahead of schedule.

As the company has grown both in staff numbers and geographical coverage, the Directors have made a conscious effort to embrace and engage with site staff, being more visible and active on their sites. Stuart Brown and Rupert Moon have a heavy presence on sites, providing support for project teams and a corporate link for clients and stakeholders. Various team building events are held throughout the year to bring people together and enable the staff to interact with each other.

Their biggest people development achievement during 2017 was achieving National Skills Academy status. WRW are the only SME in Wales to run an internal Skills Academy.



“As the company has grown both in staff numbers and geographical coverage, the Directors have made a conscious effort to embrace and engage with site staff, being more visible and active on their sites.”

Sustainability Award

Judges: Colin King Colwyn Knight Tim Peppin Andy Sutton

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bre

Ysgol Rhyd Y Llan

Project Value £4.5m

This scheme deals with the construction of a new area community school to house 150 pupils and 20 nursery places and to replace the three schools of Ysgol Llanfachraeth, Ysgol Ffrwd Win and Ysgol Cylch Y Garn.



The new school site is located within an Area of Outstanding Natural Beauty and is immediately outside the essential setting of Carreglwyd Grade II* Registered Historic Park and Garden.

The site was subject to a European Protected Species License following the discovery of great crested newts in an adjacent field. Archaeological discoveries were also made during the works with the discovery of a cluster of four early Neolithic houses dating back almost 6,000 years, several thousand Neolithic artefacts and two sets of human remains. Experts have referred to the site as one of the most significant archaeological discoveries of the last 50 years and of international significance. The find is unprecedented in North Wales, where only three single houses of this period were previously known

A BREEAM excellent rating has been achieved by using renewable technologies (PV Panels and Air Source Heat Pumps), managing the ecological impact, sustainable procurement, waste management and energy efficiency. The low carbon design was adhered to throughout construction to achieve a final EPC rating of A scoring 13 – compared to the required benchmark of 33.

Ysgol Rhyd y Llan is the first full school in the UK to be constructed from straw bale panels. This is a zero waste to land fill system. The completed school is a highly sustainable and renewable building which shows innovation and compassion to the surrounding landscape.



“Ysgol Rhyd y Llan is the first full school in the UK to be constructed from straw bale panels. This is a zero waste to land fill system.”



Health, Safety & Wellbeing Award

Judges: Jane O'Leary Stella Saunders

Award Sponsored by



A465 Section 2

Project Value £153m

The A465 is recognised in the Welsh Government's National Transport Plan as a strategically important route and also forms part of the Trans European Transport Network. Completing the Dualling of the A465 between Abergavenny and Hirwaun is a priority for the Welsh Government. The Section 2 project includes the construction of 16 major structures which includes a 118m span 'Gateway' arch bridge, over 12.5km of various types of retaining walls as well as excavation of over 1.3 million m3 of earthworks which is almost enough to fill the Principality Stadium. This will all be constructed through an extremely narrow rock gorge with a river on one side whilst maintaining live traffic flows on the existing route (approximately 80% of the road is online works) presenting significant H & S challenges.

Costain recognises the importance of occupational health, safety and welfare and process safety in the successful operation in all that they do. The Costain and the A465 team applies Behavioural Science in its approach through the 'ABC' analysis for repeat issues to ensure the correct antecedents are in place but more importantly, the correct consequence (positive/reinforcing and negative/punishing), to measure and change behaviours. The project has a full time Occupational Health Nurse within the company, supported by a network of nurses and a Health and Well Being Manager. At a project level a recent investment has been rolling out a Mental Health Lite training package to all senior management level with 5 trained Mental Health First Aiders on site.



Margam Green Energy Plant

Project Value £105m

Interserve are responsible for the £27.5m civils element of this £105m biomass process plant on a brown field site in Margam, Port Talbot. This vast joint venture project encompasses a boiler house (£45m), a woodchip building (£25m), chimney stack (£65m) and an administrative building (£3.5m). Interserve is principal contractor for the entire project, which means they have responsibility for all joint venture partner (JVP) works.

Of the 162 companies that have been involved with the project, 34 have been foreign, with 17 different languages and cultures present. All site inductions are carried out in each individual's native language. There has been an average of 429 operatives on site during the day and 67 operatives at night. Interserve has been responsible for all operatives. There have been 0 reportable incidents on site.

Within the site, there is a Health and Safety Corridor. Every one entering the site has to walk through this. It displays key health and safety information for all personnel. There are frequent toolbox talks and health and safety updates to maintain the knowledge of all operatives on site. Interserve consistently embed their health and safety culture across all site operations from the outset through their project specific Health and Safety Code for Subcontractors. Their 'Don't Walk By' and 'Inspire' campaigns, occupational health professional visits, health and safety corridor, toolbox talks and health and safety updates were all central to conveying key messages to all operatives.



Value Award

Judges: Rhodri-Gwynn Jones Tony Norris Andy Sutton

Award Sponsored by



Morfa Distributor Road

Project Value £5.8m

The challenge in delivering the Morfa Distributor Road Project was never to define the potential of the area, but it was to determine the mechanism from which its potential could be unlocked.



The considered delivery model enabled each of the key objectives to be addressed in a sustainable and cost effective manner. The site has always offered significant value to the area be it through an economic, social or leisure context. It was therefore imperative that the project was progressed through a considered and respectful approach to infrastructure development, to ensure that the areas true value could be achieved.

Having procured the project through the regional consultancy framework, the City and County of Swansea has taken time to present the innovative solutions to evidence best practice and enhance the offering through the framework.

The sites location near to the Liberty Stadium posed its own significant challenges as works were developed without disruption to major events or the existing highway network. The unfortunate terror events that took place across the Country in 2017 meant that vehicle management in the vicinity of a major sporting arena required a new and innovative approach through close liaison with the counter terrorism groups. The successful implementation of mitigation measures were subsequently mirrored at other major local events as an example of best practice.

The majority of the routes alignment traces that of the former Swansea Canal, through the historically sensitive area known as the Hafod Copperworks. During the 19th Century the area was regarded as the crucible for global copper industry and played a key role in the growth of the region.



“The sites location near to the Liberty Stadium posed its own significant challenges as works were developed without disruption to major events or the existing highway network.”

Offsite Award

Judges: Darren Richards Trevor Richards Andrew Thomas

Award Sponsored by



North Wales Eastern Command & Custody Facility

Project Value £17.5m

In 2014 the ageing police custody suite in Wrexham was unfit for purpose. Alongside the earlier closure of Mold custody suite, developing an 'out of town' facility, the North Wales Eastern Command and Custody Facility (ECC) to serve both Wrexham and Mold, offered the most economical solution.



“NWP intend to share this approach and the success of the project as an example of best practice.”

North Wales Police identified a suitable location (an industrial site in Llay, close to Wrexham), and developed a design to RIBA Stage 3. A business case based on the retention and re-use of the existing warehouse was approved and the procurement process to construct the ECC, via the North Wales Construction Framework was launched in 2015.

Surveys carried out at Invitation to Tender indicated the warehouse didn't hold the structural capacity required to accommodate the adaptations ECC required. A full new build solution was needed putting the future of the whole project in jeopardy.

Galliford Try and its design partner, PCE Ltd, a UK market leader in the construction of precast concrete and prefabricated construction systems, proposed a pre-cast concrete frame solution, offering NWP cost and programme benefits. Using this approach, the structure was fabricated off-site with each unit of the frame developed in a controlled factory environment, transported to site and lifted in place. This solution has delivered the construction quicker, more accurately and safer than a traditional build.



NWP intend to share this approach and the success of the project as an example of best practice with NWCF and the Home Office, benefitting future command and custody facility projects. Galliford Try and PCE are also using the design as an exemplary pre fabrication model for future custodial works.

Preservation & Rejuvenation Award

Judges: John Edwards Colin King Trevor Francis Andy Sutton

Award Sponsored by



Yr Ysgwrn, Trawsfynydd

Project Value £2.9m

Yr Ysgwrn is a heritage site of international significance. Known as the home of Hedd Wyn, the site has been a site of pilgrimage since September 1917. Hedd Wyn was the bardic name of shepherd-poet, Ellis Humphrey Evans (1887 – 1917).



He was killed in battle on the first day of the Battle of Passchendaele, 31st July 1917. Hedd Wyn's legacy is one of peace, goodwill and tenacity and the careful conservation and renovation of his home has meant that Yr Ysgwrn's timeless messages on peace, war and society will be relayed in perpetuity to generations to come.

Yr Ysgwrn and its associated farm buildings were purchased by Snowdonia National Park Authority in March 2012. A grant of approximately £3.1m was secured from HLF to safeguard the structures and collection of chattels, furniture and objects and to establish Yr Ysgwrn as an innovative museum and visitor destination.

Conservation and development works started on site in November 2015 by Grosvenor Construction, a heritage specialist company based in Kinmel Bay, and R L Davies, North Wales Builders. Between clearing out the pigsty and farmhouse, several treasures were found. These included a beautiful slate wall that was hiding under some damaged layers of wall paper in the maid's room and some old family books in the pigsty.

The project was delivered on time with flawless quality of construction, and within the financial parameters and in June 2017, the door of Yr Ysgwrn re-opened to the public.



"The project was delivered on time with flawless quality of construction, and within the financial parameters."



Digital Construction Award

Judges: Rhys Lewis Dan Rossiter Nick Tune

Award Sponsored by



M-SPARC

Project Value £16m

M-Sparc wanted to transform the local community and leave an economic legacy in Anglesey for years to come by delivering Wales's first dedicated Science Park.

"The team has delivered a project that breaks new ground in digital construction on several fronts."



This innovative facility will provide office, workshop, and laboratory space for up to 700 people, becoming an important regional centre by attracting start-ups and drawing inward investment from large corporate companies. The development of this project had a range of key challenges which Willmott Dixon worked to overcome by adopting, advancing and achieving excellence in digital construction.

Following engagement events with the Supply Chain, it was identified that suppliers had little understanding of BIM processes. Investing in the local community, Willmott Dixon provided collaborative workshops for the local supply chain and project specific BIM workshops for each package of works procured.

The team has delivered a project that breaks new ground in digital construction on several fronts.

Remote access to the latest project information was provided to the wider team through desktops and tablets, allowing continuous integration of project information. For accurate, whole team use of the CDE, Willmott Dixon provided training to the whole project team on each of the workflows which aligned with PAS 1192:2. A full time Document Controller was introduced to



the project to prevent the site team reverting back to traditional methods of reviewing and commenting on hand marked up drawings.

Willmott Dixon is willing to advance BIM across the industry and will share any of their BIM knowledge and experience through frameworks or engagement sessions with other members of the industry, to showcase how BIM can be used to deliver similar opportunities in the future.



Innovation Award

Judges: Andrew Brown Stephen Lawrence

Award Sponsored by

CR Civil Engineering
LIMITED

A465 Section 2 Precast Bridge Deck Team

Project Value £165m

Widening the existing A465 along the steep edges of the Clydach Gorge is widely recognised as a unique and massively challenging project.



For the Saleyard River Crossing, the delivery team engaged in close collaborative relationships between the designer, principal contractor, their supply chain and the Client. Essential for successful delivery, this collaboration allowed the long-sought utopia of a precast composite bridge deck to become reality with the following benefits.

- Improving safety – minimising work at height and minimising the numerous hazards of fixing reinforcement on site on thin permanent formwork such as slips, trips and falls;
- An independently assessed saving of over £500k in construction costs through reduced steelwork and temporary works;
- Faster deck construction with up to 226m²/day of precast deck installed;
- Higher quality product using digital technology for quality assurance.

Significant challenges were overcome throughout the delivery process to enable successful delivery. Key challenges were:

- Devising a new precast deck stitch detail to resolve longstanding Technical Approval Authority concerns with the traditional loop stitch detail;
- Development of a design taking full advantage of the increased spans of precast decks; reducing steel beam support requirements and costly edge cantilever formwork;
- The adoption of a higher level of Quality Assurance throughout design and construction using digital technology to meet necessary tight tolerances.



Costain and Atkins' drive to improve safety had led to them evaluating whether the safer precast decks would also have financial benefits. It was quickly determined the cost savings by negating cantilever and permanent formwork would more than offset increased crane and manufacture costs.

"Significant challenges were overcome throughout the delivery process to enable successful delivery."

People Development Award

Judges: Ed Evans Lynda Sagona Pierre Wassenaar

Award Sponsored by



The Griffiths Skills Academy

The wider civil engineering and construction industry faces many challenges – an aging workforce, future skills shortages and a lack of minority representation.



Supporting a diverse workforce – a recognised stimulus of innovation and enhanced team performance, will meet the skills shortages and enable growth in civil engineering.

Wales also faces high levels of youth unemployment, one in seven 16-24 year olds is unemployed and even higher in the South Wales Valleys. Griffiths target the recruitment of young people from the communities in which they work, often targeting those who are not in education, employment or training (NEET). They also take on apprentices who have been made unemployed or redundant by other companies during training schemes and support them to continue their learning and complete their qualifications.

Griffiths' Apprentice+ Programme is reversing standard industry practice by offering 100% of their Apprentice's full-time positions following their training. They have industry leading completion rates, developed a new Civil Engineering Operative/Groundworker Apprenticeship benefiting the business through higher employee engagement, loyalty, retention and ever reducing staff turnover rates.

Apprentice+ is targeting recruitment of young, disengaged people and benefiting local economies. Griffiths are able to employ local people who in turn, spend their wage in local shops – demonstrated by their above industry average 'money multiplier' calculated using the Welsh Government Community Benefits Footprinting Tool. Apprentice+ also ensures the skills developed match the company's future needs as per their Skills Gap Analysis and Staff Training Plan. It allows Griffiths to source future Senior Managers, Site Managers, Engineers and Quantity Surveyors from within.



“Supporting a diverse workforce, will meet the skills shortages and enable growth in civil engineering.”

Client of the Year

Judges: Mark Davies Rhodri-Gwynn Jones Andrew Thomas

Award Sponsored by



North Wales Police

Leadership by North Wales Police has demonstrated exemplary standards in the design and construction approach.



"The local community is benefitting from the work, sustainable construction and future operation of the building and the ecological protection at the site."

The team has overcome design challenges by working collaboratively with the supply chain, taking a proactive approach and integrating to resolve issues early without compromise to the project programme or budget. This approach was instrumental to the project's progression; without NWP's proactive engagement, flexibility and intelligent procurement, the project may not have progressed so effectively. By managing the significant level of stakeholder engagement and negotiations at this stage, NWP's management and leadership resolved the project challenges, whilst also delivering cost effective, quality solutions.

NWP defined the project vision, communicating requirements, setting constructive KPIs and putting in place project management processes, which have ensured best value opportunities have been maximised and project benefits have been achieved.

Engaging the team early through the ECI agreement enabled a qualitative, cost efficient design to be developed. The relationship developed with the design team at this time facilitated a seamless, trouble-free approach to the design development with effortless collaboration between NWP stakeholders, contractor and supply chain. This relationship continued into the construction phase and inspired the supply chain to positively affect performance. Under



NWP's leadership, the team developed a 'one team' ethos and achieved all targets set.

Galliford Try commended NPW's integrity, project leadership and collaboration ensuring the project's success. NWP's commitment to social, economic and sustainable continuous improvement is also commendable. The local community is benefitting from the work, sustainable construction and future operation of the building and the ecological protection at the site.







Project of the Year – Civils

Judges: Mike Edmonds Ioan Prydderch Andrew Wedlake

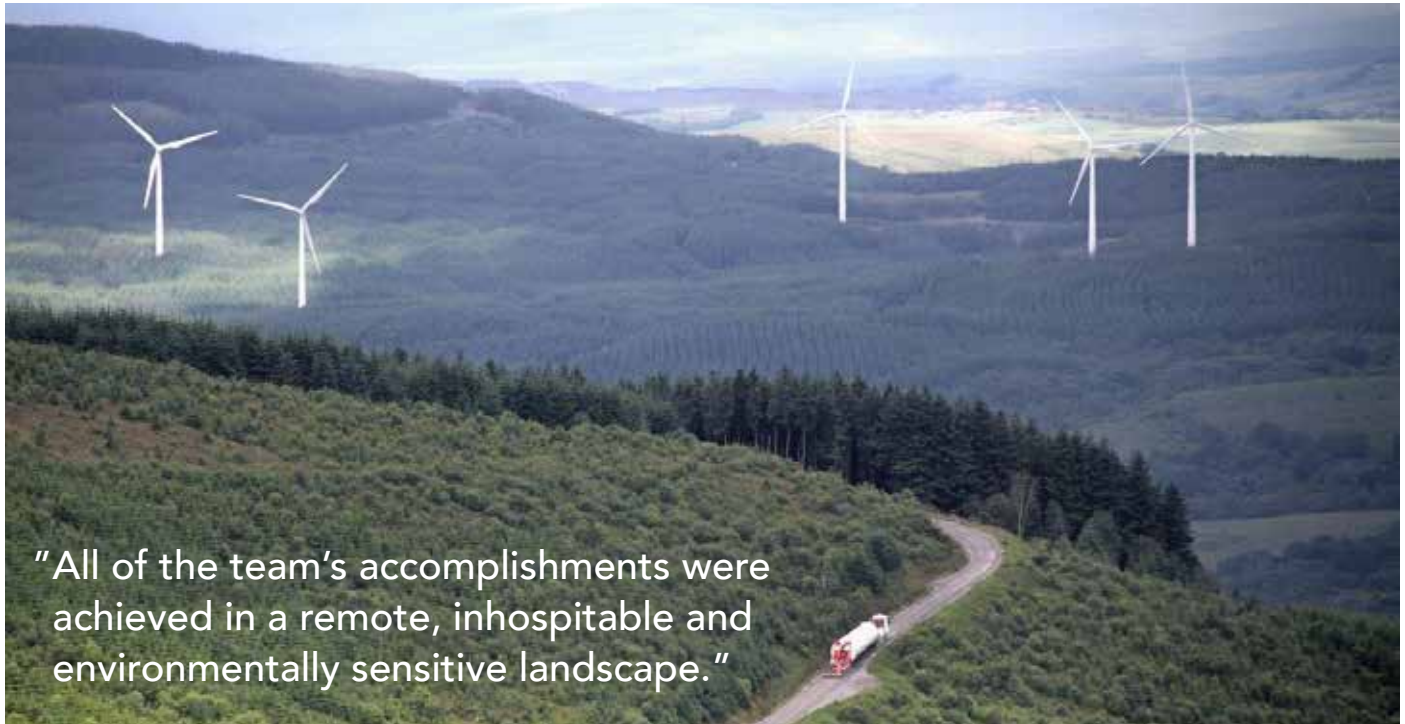
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Pen y Cymoedd Wind Energy Project

Project Value £56m

This is the largest onshore project in England and Wales. The scheme generates enough electricity to power 188,000 homes.



Balfour Beatty entered into a Joint Venture with Jones Brothers Civil Engineering to design, procure and install the 76 turbine Pen y Cymoedd Wind Energy Project.

50,000m³ of concrete and 6,000 tonnes of reinforcement were used to construct the 76 turbine bases and crane pads. In addition, around 85km of new tracks were constructed using 700,000 tonnes of rock extracted from borrow pits and 450km of cabling installed. Achieving environmental excellence, waste was segregated for recycling with no waste going to landfill.

All of the team's accomplishments were achieved in a remote, inhospitable and environmentally sensitive landscape. Sustainability and social impact was a key focus. Nine local apprentices were recruited to work on the scheme and over 65% of local labour was utilised from within 35 miles of the site, 92% within Wales.

The environmental regulator considered silt water runoff from the construction works a serious risk to sensitive watercourses downstream. Early engagement with Natural Resource Wales was critical; together the team developed a mitigation strategy. Their pioneering approach incorporated a variety of controls such as publication of a 'Silt Pollution Prevention



Techniques Site Handbook' which was distributed to site operatives as a best practice tool. It resulted in zero pollution events.

This project is located in an area of South Wales offering low social and economic opportunities. Considerable investment by the Client and Jones Brothers Balfour Beatty Joint Venture in the community and local supply chain contributed to economic growth in the surrounding area.

Project of the Year – Buildings

Judges: Mike Edmonds Ioan Prydderch Andrew Wedlake

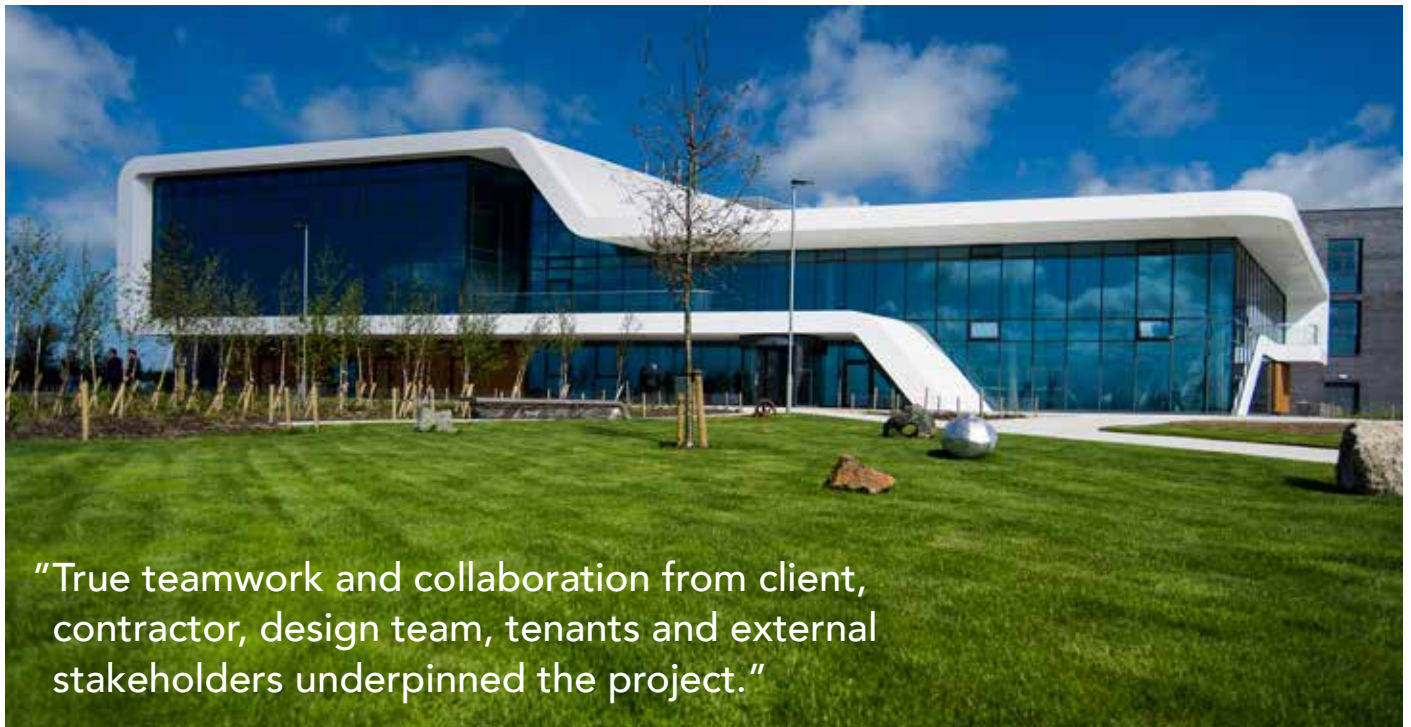
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Menai Science Park

Project Value £16m

An iconic project like M-Sparc is rare. The manner in which it was delivered, by such a dedicated team, on time and on budget to an exceptional standard with a plethora of additional community benefits and innovation elevates this project above all the rest. M-Sparc is exceptional.



“True teamwork and collaboration from client, contractor, design team, tenants and external stakeholders underpinned the project.”

M-Sparc will leave an economic legacy by capitalizing on the technological and scientific skills of our most talented people. The building will be a catalyst for this development, encompassing offices, labs, workshops and an open working area. The building is built to inspire.

An innovative approach was vital to delivering a building that would give its occupants the ambition to succeed, while delivering on time and budget.

A key challenge was the unknown; the fact that the users and their specific requirements would change over the building's lifetime. The brief was to maximize the flexibility and adaptability of the building. This flexibility is now being utilised with tenants who are now installing plant and labs and modifying offices with ease.

The building was being sold to tenants whilst still a building site, so a modest target of 15% occupancy was set at this early stage. The risk was creating an empty 'white elephant'. The target of 15% was beaten very early with



37% of the space let before the building was ready for occupation. The key to this was the use of BIM 3D modelling, virtual reality previews, end-user engagement during design, and the team's passion for delivering quality.

True teamwork and collaboration from client, contractor, design team, tenants and external stakeholders underpinned the project.

Highly Commended



SME of the Year

YGC - Ymgynghoriaeth Gwynedd Consultancy

Over the past 21 years Gwynedd Consultancy (YGC) has been responsible for a variety of ambitious construction projects in Gwynedd and other parts of Wales. Many of the improvement schemes have been the responsibility of YGC which include highways such as the A55, A499, the A487 and A470 and flood prevention schemes such as coastal defences in Tywyn. Whatever the need, YGC has responded to the demand with a team of skilled experts who have extensive experience of managing each stage of the work from start to finish.

YGC – A pioneering Welsh local authority department demonstrating how high value jobs can be sustained in a low income area.



Project Value £14m

Sustainability Award

Pentrehafod School Project – A Circular Economy Model

The brief was to redevelop the existing 1000 pupil Pentrehafod Comprehensive School, whilst maintaining a live environment throughout. The school has been part of the community for over 40 years with many of the buildings reaching their end of life. Despite the key challenges of a live environment which included maintaining teaching standards, working around the needs of the school, Health & Safety and Logistics, this project has clearly demonstrated that the reuse of an existing asset is feasible and should be considered above the option to demolish and build new.

An example of new isn't always best. This project recognises the embedded carbon in foundations and existing structures which is all too often ignored.



People Development Award

SA1 Swansea Waterfront Development Phase 1

SA1 – Transforming Education, Transforming Lives, takes every opportunity to make a real difference, attracting a whole new generation of people into the industry and providing a sustainable and brighter future for Swansea.

The onsite learning hub draws students from local schools, university and colleges to experience real challenges and rewards of working in construction. SA1 enhances UWTSD's mission to improve access to HE and skills development relevant to local communities and employers; facilitating graduate employability, ensuring that HE and training contributes to Swansea's economic regeneration.



Project Value £36.5m

Project of The Year

Buildings – Caldicot School

Caldicot School is a 1500 student secondary school with an integrated 55 place SNRB provision, secured as part of the SEWSCAP Framework and delivered under the 21st Century Schools Programme. This was one of the most exciting school build programmes that Interserve has been involved in. What makes it stand out is the clarity and energy around the client's vision to deliver a new, exciting, visionary and inspirational educational offer for the future of Monmouthshire's communities.



Chairman's Special Award

EFOD and the Kachumbala Health Centre Maternity Unit

Project Value £35m

We always encourage collaboration as a means to deliver long term value when we put a construction project together, but it is not often that we work on a scheme with the sole intention of developing teams, fostering new skills and talent and developing leaders for the future..



That is exactly what the winner of our Chairman's Award has been doing for a number of years.

Engineers for Overseas Development Limited is a small charitable company designed to assist in the development and training of young engineers, professionals and apprentices in the construction industry by challenging volunteers to deliver projects to alleviate poverty in sub Saharan Africa.

EFOD won this Award in 2014 and are even more deserving on this occasion. This team of 22 young engineers, architects and apprentices have recently completed a £110,000 Maternity Unit in Kachumbala, for the benefit of mothers in one of the poorest rural areas in North East Uganda.

EFOD have no staff, but invite volunteers to form a team and take responsibility for all aspects of delivering a project in Africa at an early stage in their career. The team have to research an appropriate solution to overcome a problem, design a piece of infrastructure or a building and plan its construction.

It is an inspirational example of what Welsh construction can deliver – anywhere in the world. But it has also proved to be a great learning experience for those taking part. The volunteers and recipients of the schemes all benefit from EFOD's work, becoming better global citizens, the results are remarkable.



Special Recognition

People Development Award

Colwyn Bay Waterfront Project & Nichola Hilton



Headline Sponsors



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G4C

**CONSTRUCTING
EXCELLENCE**
IN WALES

GWOBRAU 2018 AWARDS

Sponsors



STRIDE TREGLOWN

Inaugural G4C Wales Awards

The Senedd - 12th July 2018

Well done to each and every one of you in the Winners Brochure!



Every generation likes to see itself as a force for change. But across all walks of life in the UK and globally too, young people are challenging the status quo and really acting as a catalyst for improvement – not just change for changes sakes.

In construction, young people are the driving force behind the positive changes being made for our industry, and that can be seen in the talent demonstrated in the shortlisted and winning G4C awards. We need to promote this talent and showcase the change. That's what is so great about the G4C Awards. It is an excellent platform to showcase talent and demonstrate the impact of young people in our industry. The sheer scale of entries shows the commitment from individuals and companies already.

The G4C committee, the award winners and shortlisted nominees work hard to promote our industry and engage with communities and the education sector to raise awareness of the opportunities available in construction. G4C is a positive ambassador for the industry: demonstrating the wide range of roles available in our sector.

More and more young people are choosing a career in construction and we're starting to see a more diverse and inclusive workforce. Our G4C Awards put a spotlight on this activity and send a clear message to schools, colleges and young people that construction is a dynamic, exciting career full of possibilities. G4C will continue to promote our industry and help facilitate a more engaging and positive narrative with the public – because these Awards are just one way to showcase the positivity of our industry.

This event would not be possible without the support and dedication from the CEW team, who have supported G4C Wales from the beginning but also allowed the committee the freedom to make its own decisions and shape its own direction. The Awards were also kindly sponsored by Costain, Stride Treglown and CECA Wales, all of whom have shown G4C great support in our first event. Thank you to everyone for making our inaugural event such a success.

We now have to seize this opportunity and encourage more young people to attend future G4C Events and, of course, enter the G4C 2019 Awards next year. Watch this space!

Chris Amos & Libby Jones
Joint Chairs G4C Wales

Award Judges

Chris Amos
Business Development Manager, Melin
Consultants & Joint Chair G4C Wales

Jane O'Leary
Operational Manager, Vale of
Glamorgan Council & PPP Technical
Advisor, WG

Dan Rossiter
Senior BIM Communicator, BRE

Mandy Summers
Programme Manager, Y Prentis

Apprentice of the Year Technical

sponsored by CECA Wales

Award Sponsored by



Lynsey Davies, Technical Apprentice, Cyfle Building Skills

Lynsey has been an apprentice on the Shared Apprenticeship Scheme (Cyfle Building Skills) since September 2016. After her first year with Cyfle, in the summer of 2017 Lynsey was chosen to help manage an overseas project out in Uganda. The overseas project was a Maternity ward in the village of Kachumbala, Lynsey is an inspiration to the industry and her story truly does define professional development.



Apprentice of the Year Trade

sponsored by CECA Wales

Award Sponsored by



Dylan Evans, Electrical Apprentice, Cyfle Building Skills

At the age of 18 Dylan joined the Army and served in Bosnia for 5 years. Dylan was keen to learn a trade and for several years had been unsuccessful in obtaining an apprenticeship due to the challenges he faced with his age and inexperience.

But, due to perseverance and commitment, he was successful in gaining an opportunity on the Shared Apprenticeship Scheme.

Dylan has been an inspirational Electrical Apprentice with his commitment, passion, drive and enthusiasm throughout his time on the course.



Commitment to Employee and Training Development

sponsored by CECA Wales

Award Sponsored by



WRW Construction

WRW are a reputable Welsh construction company with a philosophy that their employees are their most important tool for growth.

WRW are the only SME in Wales to run an internal Skills Academy, demonstrating their commitment to apprentices, training and skills within the industry. The Academy delivers KPI's such as work experience, careers advice and guidance events, training certificates for WRW employees and their subcontractors, monitoring of apprentice and trainee weeks and training plans for subcontractors.



G4C Future Leader Award

sponsored by Stride Treglown

Award Sponsored by

STRIDE TREGLOWN

Kirsty Pesticcio, Architect, Atkins

Kirsty is a chartered ARB and RIBA Architect who has worked with Atkins through all her architectural studies.

She is a leading member amongst her peers, one who always steps forward, grabs opportunities and propels ideas into implementation. She is creative and proactive in her pursuits for cultural change in design delivery, digital innovations and the sharing of knowledge.

She thrives on delivering high quality buildings that all parties can be proud of.



New Professional of the Year

sponsored by Stride Treglown

Award Sponsored by

STRIDE TREGLOWN

Rheon James, Quantity Surveyor, WRW Construction

Rheon is a quality individual with a fantastic work ethic.

What separates him from the rest, and is unique and special, is that rare combination of focused energy and desire to be the best he can be. Rheon plays sport to a high standard while shaping his future off the field of play. He takes care of himself maintaining an excellent work-life balance. His selflessness, his desires to do the right thing is to be applauded and WRW are very proud to nominate him.



Student of the Year Further Education

sponsored by Costain

Award Sponsored by



Ian Price, Technical Manager, Atal UK

Ian was a complete novice to Structural Waterproofing and has progressed considerably over the past 4 and half years.

He was promoted through various positions within the company to a Technical Manager and has become an expert in his field.

He has gained so much knowledge in Structural Waterproofing and Ground Gas Protection Design and gained his CSSW qualification, he is now responsible for the smooth running of their Technical Office offering bespoke design Specifications.



Student of the Year

Higher Education

sponsored by Costain

Award Sponsored by



Nicholas Trump, Graduate Civil Engineer, Mott MacDonald

Nick stood out as an exceptional Engineer at his interview for a Graduate role with Mott MacDonald and has continued to do so throughout his brief but challenging career. He has a clear and genuine enthusiasm for the built environment sector and for Engineering in general. His desire to make the industry a better place, fit for the ever-changing demands of the future is infectious.

Nick's engagement with his chosen profession was recognised by the ICE while he was still at University and will no doubt continue throughout his career.



Trainee of the Year

sponsored by Costain

Award Sponsored by



Samuel Phillips, Trainee Quantity Surveyor, WRW Construction

Sam is a quality well-mannered individual with an excellent work ethic but that isn't the whole story. His unique selling point, what any company craves for is an energy, a drive, a personality and a hunger to search for improvement in every aspect. Sam has made significant life choices which have challenged him. He is dedicated, kind and willing to play for the team. But, more than that, he is willing to have a view with the confidence of the extra knowledge he has gained from putting the extra hours in to understand.

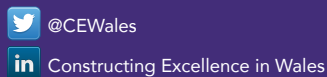






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