



2022

Awards

Winners

Headline Sponsors



Headline Sponsor

Without our sponsors, we could not host what has become such a great celebration of Welsh construction so thank you to our headline sponsors the three Welsh frameworks, North Wales Construction Partnership, SEWSCAP and South West Wales Regional Contractors Framework.

All of our sponsors are tremendous supporters of Wales, its supply chain and the best practice principles advocated by CEWales and the wider industry. Thank you for your ongoing commitment, 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



The North Wales Construction Partnership (NWCP) hosts the second iteration of the local authority-driven construction Framework in the region, it fosters collaborative working and enables stakeholders to work together in partnership to secure improvements to the built environment.

It places communities at its core, supporting and developing sustainable local supply chains, apprenticeships, training, and improving the well-being of communities across North Wales.

The NWCP delivers projects with a value of £250K and above over 5 lots to a range of Public Sector organisations.

SEWSCAP3 draws together the expertise of pre-qualified, experienced small, medium and large contractors to provide various school / public buildings construction works, as well as modular and demountable solutions, between the values of over £250k to £100m.

Its mission is to achieve best value arrangements for South East & Mid Wales through competitive procurement, whilst driving regeneration, continuous improvement and best practice. This is achieved through continuous improvement with the involvement of key stakeholders and industry benchmarking.

The South West Wales Regional Contractors Framework (SWWRCF) is a collaborative arrangement led by Carmarthenshire County Council on behalf of the South West Wales regional Local Authorities and other regional public sector bodies.

The framework provides high quality Construction Works and outputs to meet the requirements of our participating organisations whilst delivering best value and promoting the inclusion and contribution of SME's in the Framework.

The framework has embedded the aspirations of the Well Being of Future Generations Act into its operation and promotes key Welsh Government policies including community benefits, social value and ethical working practices such as project bank accounts.

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Introduction

Welcome to our winners brochure for the CEW Awards 2022.

This is not just another best practice document.

This is a shortcut to understanding what makes one organisation, project or individual stand out as a leader in delivering value, sustainability and tangible improvement in the business of construction. Our winners are the best of the best who we hope will inspire more change.

The winners reflect the electric atmosphere at the CEW Awards 2022 in June at the Celtic Manor. There was a real buzz throughout the evening and a sense that despite economic, environmental and political challenges, if we adhere to the principles of Rethinking Construction then our Welsh built environment will be able to adapt to the disruptive market conditions we all face.

There were over 500 CEWales supporters at the Celtic Manor to witness some outstanding winners, some brilliant highly commended awards and one special mention. What stood out for us as organisers was the desire to share best practice, ideas, a pat on the back and a drink, and celebrate not just best practice but Wales itself.

Our winners brochure is the next step. It is about sharing the lessons from the winners and highly commended projects, organisations and individuals. Digest their content and messages, then consider if you can be a winner in 2023, or if you want to commit to take it further – become an Exemplar and share best practice in the traditions of Rethinking Construction.

Welsh construction is full of potential. The role of CEWales as business improvement champions is to guide, cajole, educate and influence so that our brilliant economic enabling sector realises its potential and thrives. That's how to impress. That is how to build on the success of our award winners and create a world-beating built environment and positive legacy for future generations.

Cat Griffith-Williams

Chief Executive

Andy Brown, Mark Davies, Mike Edmonds
Board Directors
Constructing Excellence in Wales



Award Judges

Mark Adams
Director, MDA4 Consultancy

Louise Attwood
Executive Director Property and Commercial, Linc Cymru

Angharad Lloyd Beynon
Policy, Stakeholder & Partnerships Manager (Nations), City & Guilds

Andrew Brown
Director, Frank & Brown Ltd, Just Ride the Bike & CEWales Director

Andrew Carpenter
Chief Executive, Structural Timber Association

Robert Chapman
Director, RC² (Robert Chapman & Company Ltd)

Jo Charles
Head of Sustainability, Willmott Dixon Construction Ltd

Mark Davies
Director, IMD Systems & CEWales Director

Tom Davies
Senior Framework & Business Development Manager, Morgan Sindall

Mike Edmonds
Director, Altmore & CEWales Director

Professor John Edwards
Director, Edwards Hart Consultants

Ed Evans
Director, CECA Wales

Trevor Francis
Chartered Building Surveyor and Historic Building Consultant

Vince Hanly
Director, V H Procurement Consulting Ltd

Antonia John
Business Development & Corporate Social Responsibility Manager, Encon Construction

Helen Kane
Director, Access Included

Colin King
Technical Lead Retrofit & Construction, Sero

Rhys Lewis
Director, Revizto

Chris McLellan
Framework Manager, SEWSCAP

Simon McWhirter
Director of Communications, Policy & Places, UK Green Building Council

Paul Maliphant
Business Development Advisor, Mott MacDonald & Chair of CEWales Management Board

Tony Norris
Partner, Geldards LLP

Gerraint Oakley
Executive Director, Platform Housing Group

Jane O'Leary
Strategic Advisor - Education, ISG

Ioan Prydderch
Partner, Hugh James

Kamal Rajput
Business Development Manager, Tata Steel UK Ltd

Sam Rees
Senior Public Affairs Officer for Wales, RICS Wales

Dan Rossiter
Digital Built Environment Standards Lead, BSI

Lynda Sagona
Chartered Surveyor & Housing Professional

Stella Saunders
Principal Designer & Cardiff Architects Manager, Cardiff Council

Kevin Shackson
Framework Manager, SEWSCAP

Andy Sutton
CoFounder & Chief Innovation Officer, Sero

Jonathan Tench
Partnerships and Networks Lead, Office of the Future Generations Commissioner for Wales

Professor Andrew Thomas
Director, Diligentia

Gavin Traylor
Lecturer of Architecture & Construction, Academic Lead: Projects & Industry Engagement, UWTS&D & RSAW President (2021-2023)

Pierre Wassenaar
Chair, Stride Treglown

Bryn Wilde
Managing Director CDM Solutions & Building Safety Consultancy Group

Geoff Wildman
Director, Wildman Associates Ltd

Integration & Collaborative Working Award

Judges: Mark Adams Louise Attwood Vince Hanly



Ysgol Gynradd Gymraeg Tan-y-Lan

- Project demonstrated commitment to progressive practices such as ECI
- The integrated project team delivered the school eight weeks early
- Collaboration with the client and Swansea Council resolved problematic issues



This £8.2 million project involved the design and construction of a primary school for around 420 pupils in Swansea. Led by Kier Construction, it demonstrated a commitment to progressive practices such as early contractor involvement (ECI), fair payment and integrated teams, delivering a building that scored 10 out of 10 in the client satisfaction survey. The project was completed eight weeks ahead of schedule with zero defects.

The procurement method was unusual – the client opted for a single-stage process based on stage 2 information (as opposed to stage 4). Early contractor involvement helped to ensure the design developed with the participation of an integrated project team and supply chain.

The procurement strategy went far beyond price, and social value was a key priority, underlined by 790 hours of community engagement. Eighty-five per cent of the project spend was within a 50-mile radius, and for every pound spent on the contract £1.88 was reinvested in the Welsh economy.

The collaborative approach was crucial to resolving issues that arose in the course of the works. For example, a change to the client brief relating to M&E led to significant additional costs and put pressure on the budget. Kier liaised closely to mitigate the potential impact and ensure the new scheme was cost efficient, which was achieved by avoiding redesign fees, proposing alternative suppliers and adjusting project timescales to accommodate the change.



Swansea Council was constructing a housing development and highway works immediately adjacent to the site, which was a potential source of friction. A council representative commented: 'Communication between Kier and Swansea Council was excellent...Respective teams could amend programmes of specific packages to mutually beneficial times so work wasn't in conflict or duplicated.'



SME of the Year

Judges: Ed Evans Antonia John Helen Kane

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LCB Group

- LCB has enjoyed sustainable growth through strong business relationships
- Corporate culture is built around a 'can do' ethos and the personal touch
- The directly employed workforce is motivated by a supportive working environment



LCB Group is a well-rounded Welsh SME that has not only grown since it was founded, but demonstrates best practice in creating a culture where employees flourish. The company has maintained sustainable year on year growth over the past three years, effectively almost tripling its turnover since 2018 while remaining profitable.

A specialist in building repair, maintenance and new-build construction projects, LCB has grown from a single yard in Barry with a handful of staff to a well-respected company with 230 directly employed workers and offices in Cardiff, Bristol and Exeter.

LCB's success and sustainable growth is due to long-term partnering relationships and continued repeat business. Its clients are predominantly social housing providers and local authorities, although it accepts contracts in the education, healthcare, retail and commercial sectors. Clients respond positively to LCB's 'we do what we say we will do' ethos and excellent customer care, based on the personal touch – an ethos that infuses the business from director level downwards.

By directly employing its labour force, the company is able to provide a flexible and supportive working environment and guarantee the standards of quality and service offered to clients. Local recruitment is prioritised, and LCB works with a local supply chain wherever possible, helping to support local communities.



Hafod was the company's first housing association client, and 10 years on LCB is still delivering the organisation's out-of-hours service plus repairs and maintenance works. LCB has recently renewed its non-domestic repairs contract with Rhondda Cynon Taf County Borough Council, its first local authority client, and is entering its eighth year of partnership.

The company can truly claim to have built its business around relationships as well as a reputation for excellence in service delivery, and is a worthy winner of this award.



LCBGROUP

Net Zero Award

Judges: Robert Chapman Jo Charles Paul Maliphant

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AECOM

Bay Technology Centre

- The centre is the first energy positive commercial facility in Wales
- Solar panels are integral to the architectural design
- The building has the capacity to sequester carbon during its lifetime



The Bay Technology Centre represents a step change in building design, actually surpassing net zero to claim the title of the first commercial facility in Wales to be energy positive in operation. The £8 million project is a highlight of Neath Port Talbot's decarbonisation and renewable energy strategy.

The new office and lab is located in the heart of the town's Energy Centre with the aim of creating an incubator facility for start-ups, particularly tech businesses. It is a practical demonstration of the 'building as a power station' concept, designed not just to eliminate fossil fuel usage and utilise green energy sources efficiently, but to sequester carbon during its lifetime. One of its most striking features is the unique façade, in which photovoltaic panels not only provide a clean source of energy but form part of the architectural design.

From the start the focus was on integrating renewable energy into the all-electric building as well as cutting overall energy usage. A parametric analysis was undertaken to enable the project to dispense with a traditional heating system, for example, significantly reducing the carbon impact of the building throughout its lifecycle.

Simple building design combines with behavioural engineering and smart control systems to drive down energy consumption. The result is an energy use intensity of 66.5 kWh/m²/a versus generation of 69.1 kWh/m²/a, ensuring that the building will remain energy positive in use. A comprehensive building monitoring system creates a feedback loop, enabling energy performance to be fine-tuned and to inform future designs.



Judges were impressed by the scheme's 'beyond net zero' ambition and 'doing more with less' philosophy. The facility will serve as a blueprint for future energy positive buildings, where sustainability is the watchword for every aspect of the design and material selection.

Health, Safety & Wellbeing Award



Judges: Tom Davies Stella Saunders Bryn Wilde

Centre for Student Life, Cardiff University

- A difficult site and complex design presented numerous potential risks
- BAM put a huge effort into logistics, planning and health and safety
- Just one RIDDOR incident took place in 624,00 man hours



The Centre for Student Life is a £40 million project that creates a gateway to Cardiff University. Its difficult location presented severe challenges that required a highly complex design – and a comprehensive health and safety risk management plan to ensure the safety of everyone involved.

The new facility is large and versatile, housing support services, study and common areas, a café, staff offices and a lecture theatre. The site is adjacent to the railway line and Cathays train station, a major trunk road, plus neighbouring buildings including a nursery, campus offices and food and retail outlets. One key challenge was the need to maintain safe access to the existing student union building across the railway.

The complexity of the site meant that enabling works alone took BAM four years to complete. Tasks included lining a Welsh Water sewer, demolition of buildings and the diversion of major services to the city centre. As an example of the difficulties faced by BAM, the brick sewer ran five metres below the building footprint, requiring complex legal agreements with Welsh Water to ensure the scheme could be designed around this major risk.

Other potential hazards included the proximity of the road, which required the construction of hoarding, a narrowing of the carriageway and the closure of public parking. Network Rail imposed restrictions on high-risk activities, affecting noise levels and working hours.



The fact that the project was completed without any closures to the student union, railway line or highway is a tribute to the logistical, planning and health and safety effort put in by BAM and their supply chain. During the main construction phase, BAM was on site for 130 weeks, working 624,000 man hours with just one RIDDOR incident. The project won two internal health and safety awards from the safety team.



G4C Future Leader Award

Judges: Angharad Lloyd Beynon Jane O'Leary Jonathan Tench

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CIOB

Ben Pullen



Ben is a senior engineer at Atkins, who's inclusive and collaborative leadership style has helped his team develop and thrive.

Trusted by clients, Ben drives quality, shares lessons learnt and strives for continual improvement, which has also gained him internal awards. As a result, Atkins has recognised Ben as a designated 'Future Leader' of the organisation. In addition to his role, Ben volunteered to improve the graduate and apprentice scheme across Atkins.

Ben has the Construction 2025 objectives at the forefront of his work, challenging the status quo to develop new processes with whole-life cost and carbon production at the core. His work on the Structure Management Options Report (SMOR) approach has led to whole-life cost savings estimated to be in the region of £2.45m for a single asset on the strategic highway network in Wales; demonstrating Ben's ability to lead by example, championing change whilst collaborating with Clients and the supply chain to achieve the best possible outcomes, achieving their delivery objectives for the greater good of national infrastructure.

Ben thinks innovatively, making effective, industry-leading use of emerging digital technology (DIC, Structural GPR Surveys, etc) to improve the reliability of data for asset management of key national infrastructure. His approach has reduced costs and impact on the strategic highway network whilst significantly removing health and safety risks associated with working at height. Bens' implementation of these technologies has allowed key risks to be managed with regards to the current condition of the structures, whilst informing the forward programme of works.

Bens' "out of the box" thinking in terms of undertaking Reliability Assessments for key structures on the Welsh strategic highway network has led to estimated savings of £3-4 million since his work has deferred the need for structural strengthening to be undertaken, through adopting innovative assessment techniques which released significant reductions in cost and carbon. Following a request from Welsh Government, Ben is currently drafting a technical paper on the deployment of the Reliability Assessment method and the savings that have been achieved from his work, which can be shared with the wider industry.

Congratulations Ben! Constructing Excellence in Wales wishes you all the best in further developing your positive impact within the sector in Wales.



Value Award

Judges: Tom Davies Tony Norris Sam Rees

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Grange Pavilion

- In 12 months, the £1.8 million project has generated £24.3 million in social value
- The redeveloped asset has increased community resilience and social cohesion
- Community members were actively involved in developing the design brief



The Grange Pavilion is a community-led redevelopment of a former bowls pavilion in Cardiff's ethnically diverse Grangetown district. It is an excellent demonstration of how the value of an asset to its users, the built environment and the wider community can be balanced against its whole-life cost.

The £1.8 million project was supported by extensive partnerships and driven by social value objectives. It was intended to play a significant role in improving the community's future wellbeing and social cohesion through co-created community facilities. Community members of all ages, faiths and interests co-produced the design brief and detailed design decisions at every step over a 10-year period, working in close collaboration with the design team.

The result is an impressive example of a community-managed civic space. Cardiff University postgraduate students used RIBA's social value toolkit to show that the building has produced £24.3 million in social value within 12 months. Judges were impressed by the post-occupancy analysis undertaken by Cardiff University and Community Gateway, which quantified the successful delivery of the vision using non-financial criteria. These included scientific and architectural theory studies and in-person surveys.

Four key outcomes were identified: increased community resilience as the result of acquiring a sustainable community asset; increased social cohesion as a result of access to cross-cultural, intergenerational facilities and targeted



activities; transformation of Grangetown into a welcoming urban environment; and increased wellbeing, youth provision, employment, learning and volunteering opportunities.

People using the Grange Pavilion describe it as a friendly, inclusive, accessible resource at the heart of the community, calling it 'a space of belonging', 'an essential, dynamic new space' and 'an awesome hub for the community to sit, work and play side by side, breaking barriers.'

MMC Award

Judges: Andrew Carpenter Kamal Rajput Andrew Thomas

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TATA STEEL

Crofts Steet - a Cardiff Living Project

- Nine affordable two-bedroom homes were built in just eight months
- Offsite modular construction improved safety and reduced disruption to residents
- Modular approach aligns with Cardiff Council's MMC strategy and low carbon agenda



This £3.3 million project shows how a systematic approach to the implementation of offsite solutions provides tangible benefits.

Cardiff Living is a development partnership between Wates and Cardiff Council, aimed at delivering over 1,500 homes for sale and rent on more than 26 sites over a 10-year period. It is a unique private/public sector partnership that allows for developer/constructor involvement from the start. This meant that Wates was involved in the selection of the MMC provider on the Crofts Street project.

Crofts Street is Cardiff Living's first modular project, changing an unused brownfield inner city site into nine affordable two-bedroom homes in just eight months. Modular construction was seen as a solution to minimising disruption to local residents, cutting down on noise, dust and waste by reducing the time on site.

Each home comprises of up to three modules stacked on top of one another, with glulam beams acting as a ring beam for each structure. Each module is up to 3.5 metres wide, 11.4 metres in length and 3.45 metres high. The superstructure was constructed offsite in a factory environment and craned into place. Benefits include improved safety, better working conditions and improved quality control. The structures are designed for a 60-year life.



The modular approach is in line with Cardiff Council's MMC strategy and low carbon agenda, and aligns with the council's One Planet approach to the circular economy, as the modular system can be reassembled on another site at a later date.

Conservation & Regeneration Award

Judges: John Edwards Trevor Francis Colin King

Award Sponsored by



Barmouth Viaduct Timber Renewal

- The project restored an important local landmark in danger of rotting
- Replacement timber was sustainably sourced
- Efficient resource planning made best use of a limited pool of craft skills



Barmouth Viaduct is a 150-year-old Grade II* listed building, the longest timber bridge in Britain and a treasured local landmark. The bridge had survived two world wars and a close encounter with a naval mine, but had proved vulnerable to time, weather and the attentions of wood-eating Teredo worms. When it was discovered that the aged timber was rotting, Network Rail decided on a like-for-like repair to restore the viaduct to its original glory.

The project, worth over £15 million, faced many challenges. A suitable replacement had to be found for the decayed timber, for example. This was solved by sustainably sourcing wood from tropical Greenheart trees in Guyana. The timber is tough and a good aesthetic match for the existing structure.

A further problem was the comparative lack of skilled timber craftsmen available to install the replacement sections. This required careful resource planning and scheduling, with crucial tasks timed in a sequence that allowed craftsmen to move from one task to another. Even this was challenging, given the viaduct's exposed position that left it vulnerable to wind. When the wind was strong the works had to be temporarily halted for safety reasons.

Finally, the bridge's structural integrity and the limitations of the location restricted the amount of machinery that could be used. The project team had to find innovative technical solutions, such as the unconventional decision to place a crane on the viaduct, having first checked that the bridge could bear the load.



Overall, the project was a showcase for a successful combination of engineering expertise and craft skills, flexible problem solving and efficient resource management. The result was the restoration of a historic, much-loved structure, safely preserved for the enjoyment of present and future generations.

Digital Construction Award

Judges: Rhys Lewis Dan Rossiter Gavin Traylor

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sero

Digital by Default at Fitzalan High School Cardiff

- Use of a common data environment promoted productivity and collaboration
- Access to a shared 3D model significantly improved client engagement
- Electronic asset information will be transferred to the building's CAFM system



Digital construction is about how BIM, GIS, 'big data' and the internet of things are transforming construction. The project to deliver a new £65 million education facility for 1,500 pupils in Cardiff demonstrates how working in a shared data environment allows for better collaboration. A centralised common data environment was used as a singular source of truth, with all parties viewing the same set of information.

Kier recently implemented a digital transformation programme known as Digital by Default, which introduced new software applications to modernise and consolidate its technology use. These tools were used to rationalise and digitalise the project information for Fitzalan High School.

In particular, use of Revizto – cloud-based visual collaboration software that allows a design to be shared within a 3D environment – enabled a collaborative team environment in which progress could be tracked, clashes resolved and accountability assigned. Clients and other stakeholders could view the evolving design in a dynamic way. One member of the project team commented: 'Without question client engagement has been significantly elevated. Being able to show the end user there and then the atrium space in its bare form, driving Revizto on their iPad, is just incredible.'

The Revizto model has many 'beyond build' uses. For example, teachers, parents and other interested parties can use VR headsets to 'walk' around the site in a



safe virtual environment. On completion, the project information model (PIM) will be handed over to the client, together with asset information that will be incorporated into the school's CAFM system.

Kier's use of innovative digital technology has improved its productivity, galvanised its supply chain to follow suit, and maximised engagement with clients and stakeholders on a project that will continue to reap the benefits of digitalisation for the lifetime of the building.

Innovation Award

Judges: Simon McWhirter Andrew Thomas Pierre Wassenaar

Award Sponsored by



Siderise CT Cavity Tray

- New product fills an identifiable gap in the market
- Innovative cavity tray developed after extensive research and expert input
- Product offers several benefits compared to traditional solutions



This award singles out the organisation or project that has taken the most inventive approach to overcoming a project-specific challenge, developing a solution with the potential to improve the organisation's performance and benefit the wider industry. Siderise's CT Cavity Tray is an excellent example and a worthy winner.

Cavity trays are an essential part of masonry buildings, directing any moisture that penetrates the cavity away from the inner leaf and reducing the risk of damp. However, with the trend towards light steel framing systems, regulations state that cavity trays installed between a masonry outer leaf and steel frame inner leaf must be non-combustible. Traditional plastic trays were outlawed as a result, but there was no ideal product to take their place. Alternative solutions tended to be time-consuming, cumbersome or costly to install.

Following extensive research and development, Siderise created its CT Cavity Tray specifically for masonry and steel framed façades. The company applied its knowledge of passive fire protection and UK regulations, and engaged with contractor clients and industry bodies – such as the British Board of Agrément (BBA) and National House Building Council (NHBC) – on what exactly they needed from a cavity tray solution. The response included ease of installation, cost efficiency, and proven compliance with test data to back it up.

The result is a patented product that combines a flexible aluminium cavity tray with a non-combustible insulation to create a lightweight yet robust,



single-component solution for brickwork buildings. It is fully compliant with UK fire regulations and is approximately eight times faster to fit than traditional products, allowing an installation rate of up to 100 metres an hour.

Judges noted that Siderise had demonstrated ingenuity and hard work to solve a clearly defined problem, creating a solution that offered genuine benefits to the industry.

People Development Award

Judges: Andy Brown Ed Evans Lynda Sagona

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Thames Valley Construction & Civil Engineering Ltd

- £200,000 spent on training over the last three years
- Corporate culture is to look someone in the eye and hear what they have to say
- Just Ask campaign focuses on mental health and wellbeing



People of all ages, abilities and backgrounds are the backbone of Welsh construction. Thames Valley Construction (TVC) sets an example in the way it develops and invests in its teams and individuals, successfully attracting and retaining talent.

TVC maintains that its employees are its greatest asset and most valuable resource, a claim backed up by hundreds of training days and a training spend in excess of £200,000 over the last three years. The company works closely with the CITB, Coleg Gwent and the Gwent Training Group to provide vocational and professional training across a spectrum of trades.

TVC's apprenticeship scheme actively encourages the younger generation into the industry, providing fully funded, well-supported training with dedicated on-site mentors. On completion of the apprenticeship, the individual is offered ongoing support for professional development within their chosen area of specialism.

A good example of the proactive approach to people development is TVC's unique 'green vest safety marshall' scheme. This provides an opportunity for people on sites to get involved with a health and safety role, providing on-the-job experience and a supported pathway into a H&S career.



Judges were impressed by the consistent focus on real-time communication. The culture is to look someone in the eye, listen, talk, and – most of all – hear. Particularly outstanding is the approach to mental health and wellbeing.

TVC recognises that many people feel uncomfortable about seeking support, and its Just Ask campaign provides mental health first aid champions trained to assess, support and guide individuals who need help. It also offers a signposting service to direct people to the many mental health information and organisations available.

Client of the Year

Judges: Mark Davies Chris Mclellan Kevin Shackson Andrew Thomas

Award Sponsored by



South Wales Police

- The client was committed to core Constructing Excellence principles
- A transparent and collaborative partnership facilitated innovation and best practice
- The contractor and design team were fully engaged with relevant client departments



A £28 million Learning Centre was constructed at South Wales Police's HQ site in Bridgend in summer 2021. The principal contractor was Willmott Dixon, with the participation of Pick Everard, Powell Dobson Architects, FP Hurley and Bingham Hall.

South Wales Police (SWP), like many police forces across the UK, has been faced with budgetary challenges, which meant the project was delivered within tight budget constraints. At the same time, the client expected high standards of building infrastructure services and IT, requiring its contractors to work with cost-effective solutions while coping with the restrictions of the pandemic. Throughout, it was essential that the existing HQ building on the site remained operational.

What could have been a fraught experience ran smoothly and efficiently as SWP demonstrated clear, consistent leadership and commitment to core Constructing Excellence principles and Construction 2025 goals. The client's requirements were made clear from the start, and early contractor involvement (ECI) helped to build an integrated 'one team'. The transparent and collaborative nature of the partnership was able to deliver innovative construction methods, with ideas and good practice openly debated.

SWP took a proactive approach, working particularly closely with the contractor on matters of staff safety and wellbeing. Following workshops with



senior officers, for example, a running track and relaxing outdoor spaces were added to the scheme. The client was instrumental in instigating a rigorous regime of exposing, charting and removing or relocating services on the site that might have posed a safety hazard.

Clare Jones, head of estates for SWP, commented: 'As a client we were in a true partnership where we could openly engage, share any concerns, make changes, suggestions and requests, confident that we will be treated with the uttermost respect and with the knowledge that the contractors will do all they can to help realise any goal and alleviate all our concerns in a transparent way.'





Residential Property of the Year

Judges: Paul Maliphant Gerraint Oakley Geoff Wildman

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Understanding law, understanding you

Parc Eirin

- The project provides 225 affordable low carbon homes in a desirable setting
- Innovative energy technologies are integrated into the design
- The scheme is set to reshape the way new communities are delivered



This award recognises developments that provide a desirable and sustainable place to live. Parc Eirin stands out as a project where placemaking was at the heart of the design, a successful scheme to create a desirable family-friendly neighbourhood while leaving a clean energy legacy for South Wales.

The £18.23 million Parc Eirin project is a collaboration between Morganstone, Pobl and Sero, working together to deliver 225 high-quality, low carbon homes within the historic industrial heartland of Rhondda Cynon Taff. The collaborative nature of the partnership enabled a flexible approach to developing the innovative technologies integral to the design, as well as overcoming challenges such as collective energy management, COVID, and difficult site geology.

The homes combine a mix of renewable energy technologies (including solar panels, smart hot water tanks, ground source heat pumps, battery storage, smart energy management systems and three-phase car charging) to minimise energy use. It is the first large-scale development of affordable low carbon homes of this kind in the UK.

The project is a clear demonstration of how new communities can be delivered that reduce carbon emissions, eradicate fuel poverty and offer a truly affordable option in terms of purchasing or renting a home and running it, while also creating great places where people want to live.



In recognition of this, the project has been supported by £7 million of funding from the Welsh Government's Innovative Housing Programme. It is set to reshape the way renewable energy sources are integrated into residential buildings.



Civils Project of the Year

Judges: Mike Edmonds Ioan Prydderch Andy Sutton

Award Sponsored by



Barmouth Viaduct Timber Renewal

- An iconic local landmark was restored on time and budget
- Technical expertise and a pragmatic approach helped to overcome problems
- The project demonstrated exemplary contractor/client collaboration



At the heart of this project, valued at over £15 million, was the restoration of the historic Grade II* Barmouth Viaduct. The viaduct is the longest timber bridge in Britain and has survived two world wars, a near-miss with a live naval mine in 1946, and an infestation of marine Teredo worms. It is now the heart of the local community.

When it was discovered that parts of the 150-year-old structure were rotten and decaying, Network Rail decided to return it to its former glory. The scope of works included like-for-like restoration of the timber sections. The fact that the project was delivered on time and budget is testament to the team's technical expertise and flexible approach to dealing with challenges such as extreme weather, wood-munching worms and worker safety.

The limitations of the location, which restricted the amount of machinery that could be used, required the project team to demonstrate considerable engineering ingenuity. For example, it was decided to position a crane next to removed sections of timber on the viaduct itself. To check that this unconventional move was safe and that the structure could bear the load, the team conducted an innovative full-scale structural test nearby using old timber sections.

Movable scaffolding was used as a longitudinal support system for the span sections, increasing the overall structural stability of the spans near removed sections. The tide cycle was employed to lift and move the scaffolding, which



required minimal reconstruction – reducing the turnaround time for moving scaffolding between sections.

Timber was sustainably sourced from contractors who provided wood from specially picked Greenheart trees. This tough tropical wood matched the aesthetic effect of the existing timber without causing any major structural integrity problems.

In addition to the outstanding technical achievement, the judges felt the project demonstrated true contractor/client collaboration, particularly in response to a period of extreme weather, as well as effective engagement with the local community.

Building Project of the Year

Judges: Mike Edmonds Ioan Prydderch Andy Sutton



Merthyr Tydfil Bus Interchange

- The interchange will act as a catalyst for local regeneration
- The facility is the first bus station in Wales to be completely electrified
- A strong collaborative ethos ensured successful delivery of the client's vision



The £12 million Merthyr Tydfil Bus Interchange is a key infrastructure project, located near the railway station as part of an initiative to create a new transport interchange hub linking with the South Wales Metro. The interchange will improve local public transport connectivity and act as a catalyst for the regeneration of the town centre.



The delivery team demonstrated genuine passion for the project and its potential to benefit the local community. For example, the scheme includes an accessible café, seating area and provision for a police presence to eliminate the antisocial behaviour associated with the existing bus station. The dynamic angled roofscape design is sensitive to the town's iron manufacturing heritage, inspired by the outline of a milling house roof.

Located on a brownfield site, the building is an exemplar of sustainable design, singled out at the COP26 and Welsh COP26 summits. Gas was rejected in favour of electric powered heat pumps to power the heating and hot water, for example. Materials were selected on the basis of longevity and embodied carbon in line with circular economy principles, and the layered construction is designed to allow easy maintenance in future.

A key factor in the project's success was the team's flexibility and collaborative ethos, which was crucial in resolving the challenges posed by Covid and the town centre location. Work practices had to be modified and delivery schedules managed to avoid congestion on local roads. When the client decided to introduce electric charging for taxis and buses, all parties worked together to provide the charging points and new substation required. As a result, the facility is the first bus station in Wales to be completely electrified.

Overall, the judges were impressed by the team's technical expertise, willingness to embrace new ideas and commitment to best practice, enabling them to deliver a high-quality outcome on time and to budget.

Highly Commended



Building Project of the Year - Queensferry Learning Campus

The construction team successfully delivered the project in the face of complex client, budgetary and delivery requirements, demonstrating strong social and collaborative values. Outstanding features included use of a Project Bank Account and best practice digital tools.



G4C Future Leader - Nick Hamersely

Nick shows his potential as a leader through his engagement with local firms and development of beneficial relationships with key stakeholders. He is committed to his mentoring role and impresses with his positive attitude and passion for the industry.



G4C Future Leader - Tahra van Schalkwyk

Tahra drives positive and sustained change through virtual films focused on construction and careers that benefit the organisation, community and environment. She shows genuine passion, enthusiasm and commitment to the industry, and she is a great role model for the sector.



Net Zero Award - Eastern High – Net Zero Carbon Ready Development

The Cardiff Living collaboration is a superb exemplar for everyone in the industry. Its triple focus on sustainable placemaking, net zero ready and creating sustainable communities reaps great rewards.



Highly Commended



Net Zero Award - South Point Primary School

This impressive scheme was part of a batch of three schools procured as a traditional build. It was exciting to see the team take up the challenge of converting to a net zero scheme by evolution rather than revolution for a budget uplift of 9.76%.



STRIDE TREGLOWN

AECOM



Residential Property of the Year - Passivhaus social housing for Powys County Council

This ground breaking housing scheme in rural Mid Wales was Powys County Council's first ever social housing development to be designed and built to Passivhaus standard, as well as being the first affordable new homes built for rent in a generation.



SME of the Year - Thames Valley Construction & Civil Engineering Ltd

Thames Valley is an excellent example of a flourishing Welsh SME. Through innovation it has ridden the waves of many external challenges such as recession and Brexit since it was founded in 2003. The company is commended for its commitment to health and safety and carbon reduction in the industry.

Special recognition: Esther Anderson

The Judges were particularly impressed with the focus, dedication and determination of Esther Anderson who they met during the presentations. Esther had worked for the NHS for a number of years, but had come to realise that she wanted to pursue a career in the construction sector. Focussed on her personal goal, she continued to work as a full time nurse whilst also studying for her new career achieving her ambition when she secured a role with Morganstone. Recognising her drive and focus, she has already been promoted to an Assistant Site Manager role and the Team at Morganstone is confident that her career will go from strength to strength.



As a member of CEWales you will be supporting an organisation that has delivered real results and positive changes across Welsh construction.

Membership 2022/2023

There is sure to be a package suited to you.

Client	£101m+ industry spend	£2,100
	£51m-£100m industry spend	£1,470
	£21m-£50m industry spend	£735
	£11m-£20m industry spend	£420
	up to £10m industry spend	£210
Contractor /Supplier	201+ employees	£2,100
	51-200 employees	£1,470
	11-50 employees	£735
	3-10 employees	£420
	1-2 employees	£210
Consultant	101+ employees	£2,100
	21-100 employees	£1,470
	6-20 employees	£735
	3-5 employees	£420
	1-2 employees	£210
Public Services	i.e. Local Authorities, Housing Associations/ Health Authorities/ Schools/Universities	£1,000

Welsh Government is calling for the decarbonisation of the built environment that delivers benefits for local communities and supports renewable energy; a construction sector that supports an economy that delivers prosperity for all. This cannot be achieved without a progressive construction industry steeped in best practice principles. CEWales is the independent voice the industry needs to guide it through the challenges ahead.

We champion value and best practice. We promote collaborative working and integrated teams.

Be part of that future – become a member of CEWales

Student Membership	Free , but please provide proof of student status (e.g. scan of student ID, acceptance letter etc.) supplied as a jpg image
Individual Membership	£100 p.a. individuals will be allocated to a Best Practice Club

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