



Education Capability

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OUR BUSINESS

Morrison Construction is Scotland's leading provider of education buildings. In collaboration with our Clients we are delivering innovative, value driven facilities at every level from Early Years, through Primary, Secondary and Further Education.

Increasingly, these facilities are being designed and constructed to the highest sustainable standards, meeting LEIP funding requirements and achieving Passivhaus accreditation. Our award-winning portfolio of innovative, exemplary schemes are testimony to partnership working, in strong long-term relationships with our Clients and Supply Chain partners to achieve the best possible results.

We carry out building and infrastructure works across the country and are renowned for our ability to provide whole-life solutions, from funding and design to construction, operation and maintenance.

Our success and experience in the education sector is unparalleled and is illustrated by the awards and accolades bestowed upon us and our projects. Our recent notable successes include:-

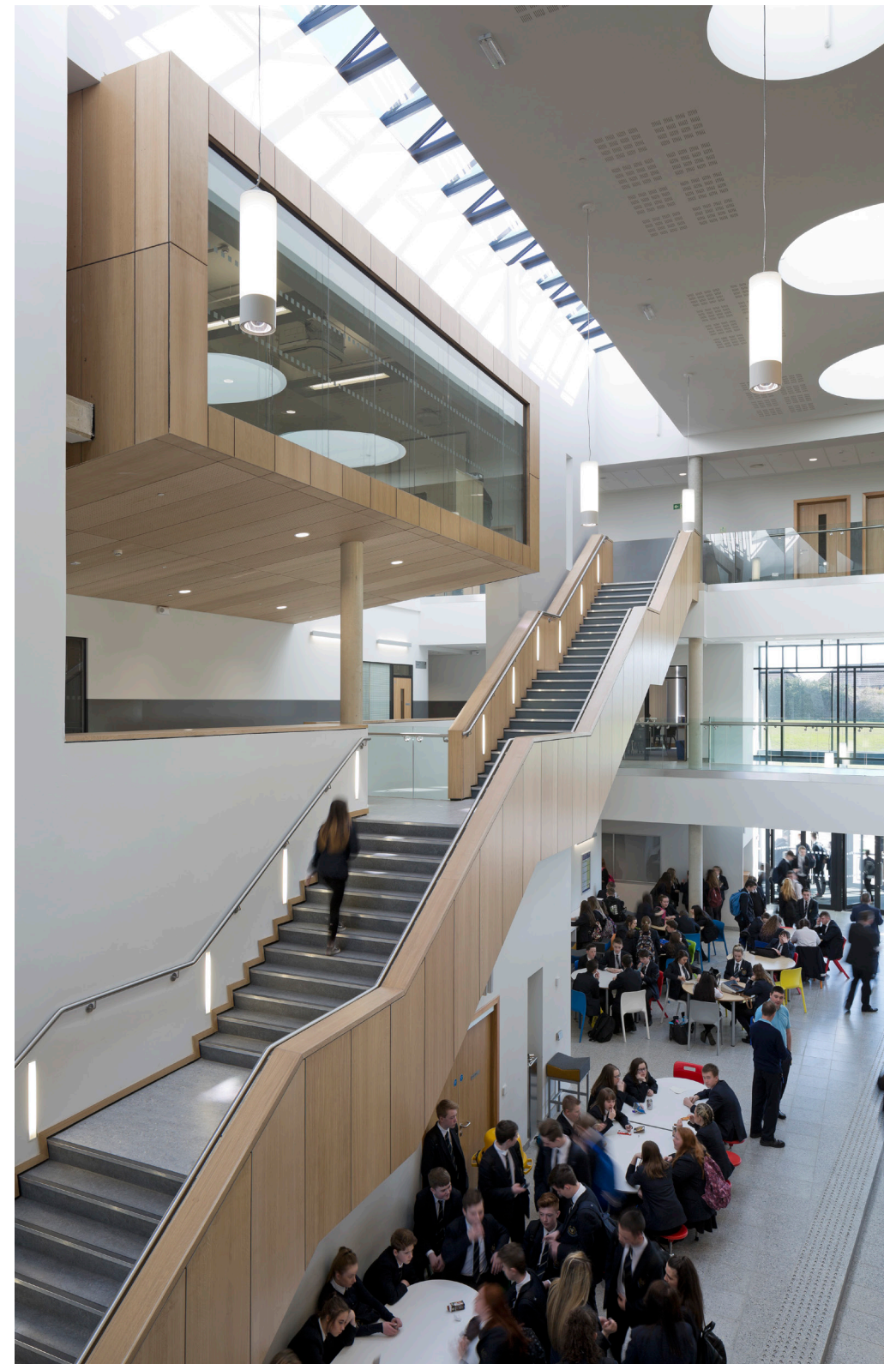
- Education Contractor of the Year 2019;
- Project of the Year 2019 – West Calder High School.
- Best Education Building, Cumbernauld Academy - International Partnership Awards 2020
- Public Development of the Year, Wallyford Primary School - Scottish Property awards 2020
- Contractor of the Year 2021;
- Project of the Year 2021 - Barony Campus
- Best Education Building, Barony Campus - Scottish Design Awards



EDUCATION EXPERIENCE AND CAPABILITY

As the leading constructor of education buildings in Scotland we have an enviable track record in delivering across each strand of education, including Early Years, Primary, Secondary and Further Education. Recent highlights from within our education portfolio includes:-

- **80 projects totalling £1.2bn being completed or currently in construction over the last 6 years;**
- **14 bespoke campus developments featuring multiple schools and community facilities;**
- **Delivery of Scotland's first Passivhaus public building;**
- **Delivering the first school fully compliant with BB101:2018 Environmental Standards; and**
- **Repurposing of Scotland's oldest School site for 21st Century Learning; and**
- **Meeting the stringent sustainability requirements of SFT LEIP funding.**





 **SCAN ME**

To learn more about the school & hear feedback from delighted pupils and the school Head Teacher, please scan

Over the last 6 years Morrison Construction has delivered 80 education projects totalling over £1.2bn

SCOTTISH EDUCATION EXPERIENCE - EARLY YEARS





Davidson Mains Primary (Nursery)



Foxlea Early Years



Stockbridge Early Years Class



Whartriggs Early Childhood Centre

PRIMARY SCHOOLS



Whatriggs Primary School and Early Childhood Centre



Wallyford Primary School



St Pauls Primary School



St Dominic's Primary School



Dailly Primary School



Kirn Primary School



St Paul's Primary School



Calderwood Primary School



*Ayr Grammar Campus and
Community Archive*



Tarbolton Primary School



Simpson Primary School



Stromness Primary School



Letham Mains Primary School



Trinity Primary School

SECONDARY SCHOOLS



Please scan the QR code to see 360° imagery of Greenfaulds and its striking interiors.



Greenfaulds High School



Newbattle Campus



Queensferry High School



Kelso High School

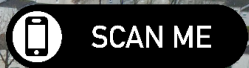


Cumbernauld Academy



West Calder High School

Please scan the QR code to see 360° imagery of West Calder High School, highlighting the innovative breakout spaces and learning plaza's within the school.





CAMPUS DEVELOPMENTS

We operate at the forefront of education excellence, designing and building pioneering facilities to maintain Scottish education's world class reputation. In doing so, we have successfully delivered some of the most complex and striking mixed-use campuses in the country, benefiting not only young learners, but also the wider communities in which they reside.

Our Campuses are inclusive learning environments bringing together multi-faith schools and/or creating an environment for the needs of pupils from early childhood to adulthood. This includes the provision of additional support facilities, high quality learning spaces and indoor/outdoor sports facilities available for wider community use. Further facilities such as libraries, public halls and health centres have also formed part of our campus schemes.

Most recently we successfully delivered the Barony Campus for East Ayrshire Council, providing one of Scotland's largest and most ambitious education campuses to date. Our team are building upon this experience on our Winchburgh School Campus which is currently in construction and targeted to exceed even the grand scale of Barony.

14 bespoke Campuses totalling £443m



Paradykes Primary School and Loanhead Community Hub



Largs Campus



Clyde Valley Campus



Barony Campus



Lockhart Campus



Winchburgh Campus

FURTHER / HIGHER EDUCATION



INTO Building - University of Stirling

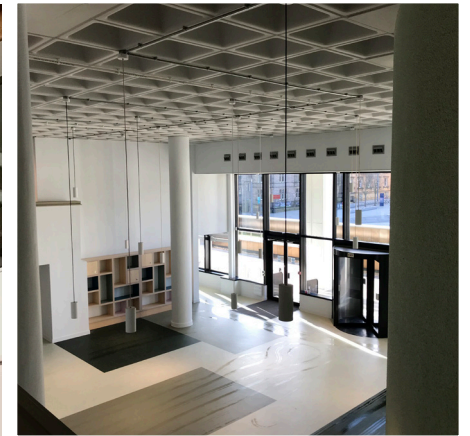


Sports Facility Redevelopment - University of Stirling





Health & Wellbeing Centre, University of Edinburgh





EMBRACING NEW THINKING

Always at the forefront of new thinking in relation to the environment where children can learn, our innovations in design and construction are supported by pioneering and innovative approaches.

Indeed, behind the scenes on all our education projects we are collaborating with the SFT in piloting Best Practices in Quality Assurance and CO² reduction, as well as pioneering Passivhaus solutions and the use of interactive 3D visualisations to streamline project development.



The UK Passive House Organisation



Castlebrae High School

Delivering one of the first schools fully compliant with the new BB101:2018 environmental standards



Wallyford Learning Campus

Designed to meet the stringent new SFT LEIP funding requirements for sustainable design



Ayr Grammar

Repurposing one of the oldest school sites in Scotland for 21st century learning



Blackridge Early Years

First public building in Scotland delivered to Passivhaus standard



- *Unique 'Inside Out' design approach centred on teaching and learning spaces, with form following function*
- *A step change in school design - moving out of the classroom to flexible teaching and learning plazas*
- *Winner of 2019 'Project of the Year' at Scottish Education Buildings Conference*



- *World first of linking the Revit and IES models as part of a SFT low-carbon pathfinder project*
- *A new 'faculty' model of integrated teaching and learning spaces that better meet the needs of the Curriculum for Excellence*
- *Pathfinder project for Scottish Futures Trust to develop and trial enhanced quality initiatives*

SUSTAINABLE DESIGN

LOW CARBON AND PASSIVHAUS

Morrison Construction are at the forefront of innovation in sustainable construction and are readying ourselves to meet the challenges of the drive for a truly 'net-zero carbon' construction process. As one of the largest public sector contractors in Scotland, we recognised that we could and would play a lead role in our Industry's response to this challenge and, in 2019, established our Morrison Construction Passivhaus and Low Carbon Working Group. The following sets out some of our key initiatives and successes to date:-

- **First public Sector Passivhaus Education facility in Scotland** delivered at Blackridge Early Years Centre, with **Further Passivhaus projects** secured on our pipeline



- Partnerships developed with Passivhaus Trust and CSIC to develop and test frame detailing solutions;
- **First contractor in Scotland** to publish the “**Building Passivhaus Secondary Schools**” in Scotland guidance document, in collaboration with Etude and our Supply Chain;
- The National Manufacturing Institute for Scotland (NMIS) will be the **first Scottish education building** delivered to meet the new **BREEAM Outstanding** targets;
- **Embracing embodied carbon** by calculating and working with our Supply Chain to reduce our overall footprint across our projects;
- Our replacement **Castlebrae High School** project is the **first in Scotland** to adopt the stringent new **BB101:2018** design standards for optimising internal environments;

CONSTRUCTION
SCOTLAND
INNOVATION
CENTRE

- **A World first - We have transformed the performance modelling process** by developing a software 'patch' **linking the BIM and IES models**; funded by SFT 'Low Carbon' on our exemplar project at Queensferry High School;
- **Post Occupancy Evaluation (POE)** At our Queensferry project we are leading a 3-year performance monitoring and PoE study and at Blackridge Nursery we are working in collaboration with our client and design team to measure the actual performance benefits of the Passivhaus design against a traditionally designed comparator;



- **Upskilling Clients and Supply Chain** - We are sharing our knowledge with Clients and Sub-Contractors alike – to ensure that we bring a whole team understanding and expertise to every project;
- **Passivhaus / Net-Zero Carbon Platform** created by us for knowledge sharing across all our Passivhaus / Net-Zero Carbon projects throughout the wider Morrison Construction and Galliford Try business with projects currently in development throughout the UK including the £2.3m Milton of Leys Nursery in Inverness, £23m Greenhead College in Huddersfield and the £13.5m Marjorie McClure School in Bromley, London; and
- **We are delivering Learning Estates Investment Programme (LEIP)** funded projects - which requires ultra-low energy and high levels of occupant comfort -including **Wallyford Learning Campus** which is the first project to proceed to construction under the programme.

EXPERIENCE OF DELIVERING TO AND MEETING LEIP CRITERIA

Morrison Construction are at the forefront of delivery under the LEIP funding criteria, with our Wallyford Learning Campus for East Lothian Campus being the first school in Scotland successfully developed to these performance standards. Building upon the best practice and lessons learned from Wallyford we now have three further projects being developed and delivered through the LEIP funding model.

Our pre-construction and delivery teams fully understand the requirements, complexities and challenges in meeting these performance-based criteria, and through partnership working with our Clients, Designers and specialist Supply Chains we ensure that each facility fully complies with all energy, carbon, building performance and functionality targets.

To ensure building performance meets design and client expectations as well as LEIP funding criteria, we now routinely support our projects with programmes of Post Occupancy Evaluation as part of our Soft Landings approach. The certainty of outcomes and detailed validation of performance this delivers is important to our clients, both in terms of the long term functionality and sustainability of their facilities and, in terms of ensuring they will be able to successfully maximise LEIP funding recovery.



Wallyford Learning Campus – The first LEIP funded school to progress on site

QUALITY LEADERSHIP

As the leading constructor of education buildings in Scotland, we have taken a leadership role in driving improvements in design and construction quality in response to the Cole Report. We facilitate this through:-

- A 'one team' approach to collaboration with designers, Sub-Contractors and Clients to ensure we achieve the best quality outcomes;
- Working at BIM level 2 to deliver fully co-ordinated designs that can be reviewed and approved before we get to site;
- Using photographic software, such as Open Space or Holobuilder to regularly record site construction in both 360° and traditional 2D photos to act as a permanent record of the Construction Phase and to aid Clients future maintenance requirements; and
- Deploying our 'Fieldview' tablet based on-site quality control software that gives everyone access to accurate, up to date quality data.

This type of approach led to our Queensferry High School project being chosen by the Scottish Futures Trust as a 'quality pathfinder' project to showcase the demonstrable benefits of a focussed whole team approach to quality throughout the life of a project.



BIM

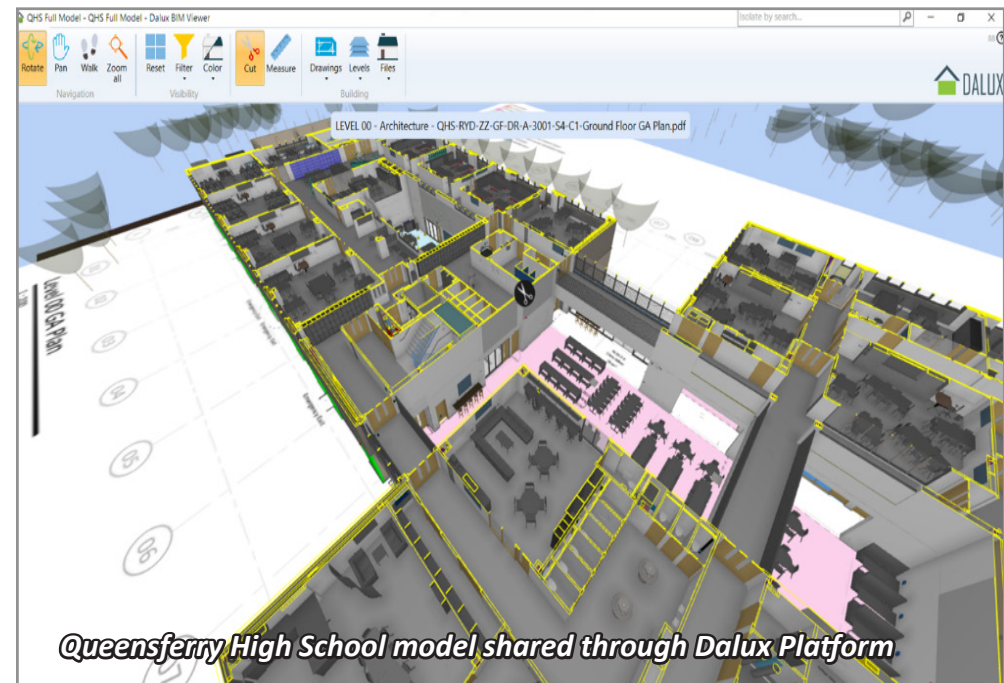
Recognising the benefits it can deliver for us and our Clients we have embraced Building Information Modelling (BIM) from its inception.

BIM is now integral to everything we do, from design and planning through to construction and handover, indeed we are currently **working on over £300m of BIM Level 2 projects** across Scotland.

We are at the forefront of BIM technologies, with our recent notable achievements including:-

- **First UK Tier 1 Contractor to achieve ISO 19650-2:2018;**
- **Contributing to the BSI B555 working group;**
- **Being appointed as The UK BSI expert for ISO19650-4 drafting;**
- **Being the Leading BSI Expert presence for a CEN working group; and**
- **Contributing to a large portion of the UKBIMFramework ISO19650 industry technical guidance.**

Additionally, our recent initiative to share our BIM models through 3D visualisation software packages, such as **Dalux or Revit**, with Building Control and Planning Authorities has made the process of achieving statutory approvals faster and easier and it is being held up as **an exemplar approach by the Scottish Government.**





Barony Campus

COMMUNITY ENGAGEMENT

At Morrison Construction we are committed to maximising the opportunities created by our projects at a local and Scottish level and are **fully aligned to and supporting of the Scottish Governments aspirations in the creation of Community Wealth**. Testament to this is us being the first construction company to sign up to the **Young Persons Guarantee** and also the only Scottish Tier 1 Contractor with full **Real Living Wage Accreditation**.

We achieve this through the appointment of dedicated staff, the use of a wide range of established partnerships across the entire country, the full support and commitment of our Supply Chain and the continued development of relationships, new and existing, where new initiatives require the flexibility and capacity to support them.

As one of the largest public sector contracting organisations in Scotland, we have a track record of delivering community benefits throughout the Country that is second to-none. We provide meaningful and long-lasting opportunities for the people and communities within the areas we operate.

In addition, we add value at a more strategic level, operating a Community Engagement Strategy across our business and projects so that targets and outcomes are aligned with local, regional and national plans; reflecting genuine community needs and aspirations and enabling our Clients to demonstrate compliance with legislation.

The result of our work is clearly evidenced in our impact on the areas in which we work through a staggering £193m of local economic social value generated by our central business unit in the last three years.



On every project, Morrison Construction provide our Clients with clear and independent evidence of overall and tangible benefits delivered to local communities through the Social Value Portal. This provides a reliable calculation of “Value” delivered, and is welcomed by all stakeholders, including Elected Officials and other representatives of the community.



A SELECTION OF MORRISON CONSTRUCTION'S COMMUNITY ENGAGEMENT INITIATIVES,





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