



WILLMOTT DIXON

SINCE 1852

Case Study

Cardiff West Community High School



CLIENT CARDIFF CITY COUNCIL

FACILITIES NEW 1200 PUPIL HIGH SCHOOL FOR 11 - 18 YEAR OLD'S
INCLUDING POST 16 YEARS DELIVERY FOR 320 PUPILS

COMPLETED MARCH 2019

COST £31M

GIFA 13,654M²





Key Design and Procurement Fact

Super-Fast track 2nd Stage design and pricing programme
 Cost effective design through spatial optimisation
 Standardised design components
 Construction efficiencies achieved through Modern Methods of Construction
 Delivered through SEWSCAP Framework
 Two Stage Tender NEC Option A Contract
 BREEAM Excellent / EPC A

Vision

Located in Penally Road, Caerau, the new Cardiff West Community High School is a place of true inspiration. Where young people will be able to learn in a way that best suits their individual needs; where young people will learn how to learn and where they can work together to achieve their personal goals and realise their aspirations.

Design

Previously located in a Condition D rated school environment the school is now provided with a learning environment of high expectations, with a diverse range of spaces, underpinned by strong community involvement, creative partnerships, and local collaboration where high quality teaching and learning can be delivered. The design includes;

- Learning spaces that can adapt easily to provide a variety of pedagogic approaches and cross curricular learning.
- The provision of an adaptable, bright, high quality new building that supports the changing and developing needs of both learners and teachers as curricular requirements change.
- The development of vocational learning opportunities, particularly within the creative industries as a potential career path.
- Integration of learning and working environments with a visible 'public face'.



Social Value

- 26 new jobs created for long term unemployed
- (40% of these jobs filled through Partnership with The Wallich and Prescoed Prison)
- 18 apprenticeships supported
- 65 weeks of work experience placement
- 21 workshops for young people
- 92% waste diverted from landfill
- Solar panels generating 6580kW per annum

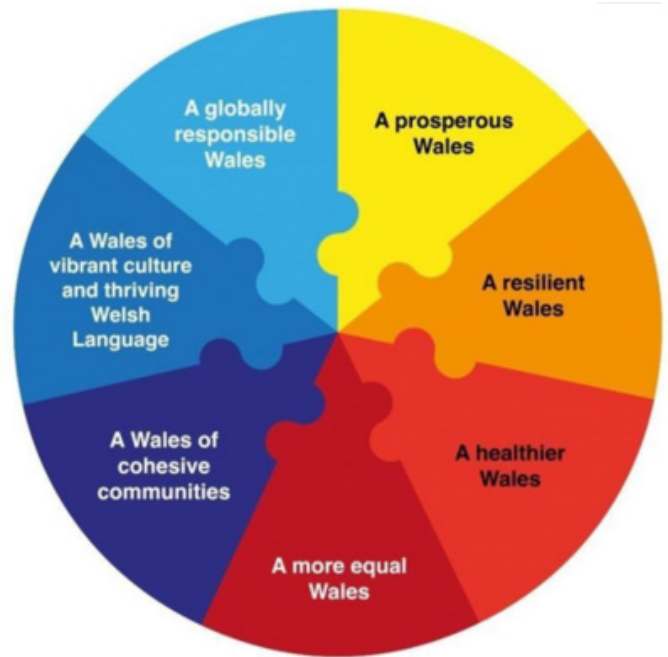


**92% OF WASTE
DIVERTED
FROM LANDFILL**

THE WELLBEING OF FUTURE GENERATIONS ACT

AT CARDIFF WEST COMMUNITY HIGH

The following outlines how Willmott Dixon is supporting the delivery of the Act at Cardiff West Community High.



A GLOBALLY RESPONSIBLE WALES

a. A carbon neutral business

Willmott Dixon are a carbon neutral business and any carbon emissions produced during construction will be offset by investing in overseas projects that benefit communities across the globe.

b. Responsible sourcing of materials

Main building elements, such as structural frame, internal and external walls, roof and floors have been sourced from certified manufacturers, giving assurance they have been made with constituent materials that have been responsibly sourced. We are aiming for 36% of the building materials to be certified as responsibly sourced.

A PROSPEROUS WALES

a. Created 26 new jobs

We are supporting individuals that have previously been long term unemployed by offering employment opportunities. We have created 26 new jobs for long term unemployed, 11 new entrants to the sector and 25 trainees. 27 work experience placements and 18 apprentices and shared apprentices have been supported.

b. Diverting 92% of waste from landfill

Currently Cardiff West has diverted 92% of waste from landfill. A social enterprise named Community Wood Recycling has collected and reused 110 TN of waste wood, directly creating one paid job and allowing 3 people to be trained in the business. A total of 4,700m³ of excavated soils have been re-used on site at Cardiff west, preventing further waste entering landfill disposal.

c. A low carbon building

164 Solar Photovoltaic panel will generate 6,580kW of electricity per annum, saving 19,278 kgCO₂ a year. The system, as well as making a contribution to the buildings energy consumption and CO₂ emissions, would also pay back in just 8 years of being active.

d. Educational STEM workshops

21 Workshops delivered for Primary aged pupils. 100 people have visited the project for site tours to highlight the work and the job roles available. 100 hours have been invested and 5200 young people have been involved to date.

A RESILIENT WALES

a. Climate change adaptation

Climate change risk assessment has been carried out and risks mitigated relating to future changes such as more intense rainfall, wetter winters, increased flood risk, temperature increase and increase in heatwaves and higher wind.

b. Enhanced Biodiversity

Willmott Dixon adapted the landscape plan to remove 27m² of hard standing ground cover to be replaced with a biodiverse enhancement of native wildflower seeding. This action will enhance the natural environment within the school, providing an extra food source for native bees.

A HEALTHIER WALES

a. Focus on food

We have supported the Welsh Government's initiative "Food & Fun – the schools Holiday Enrichment Programme." With STEM activities to promote the aspirations of 85 young people over 6 sessions. Donations have been made to Cardiff West Community High Foodbank.

b. Healthy lifestyles

In addition to site induction for all workforce Safety and Health talks have been delivered throughout with the provision of mental health first aiders available for both Willmott Dixon and Supply Chain partners. A gym installed at site has enabled people to exercise around working hours for both Willmott Dixon and Supply Chain partners.

A MORE EQUAL WALES

a. Enhancing the lives of young people

Significantly enhanced the life chances of 7 young people. Woodlands School pupils undertook over 65 weeks of work placement, mentoring and skill opportunities which have supported the young people make decisions about their future in the world of work and further education.

b. Mentoring Programme

A mentoring programme has been delivered to support 9 young people that are deemed to not be in education, employment or training. The week long programme aids in the development of soft skills and focusses on the employability of the young people we engage with.

c. Prescoed and Wallich Partnership

Over 40% of the jobs created for this project have been fulfilled by those close to the end of prison sentences and are in open prison or have previously been homeless.

d. Careers advice and guidance

Events attended include careers fairs, open evenings, parents evenings, World of Work weeks, Open your eyes weeks. Skills Cymru, Careers Wales and Cardiff Commitment requests are fulfilled regularly in Cardiff to schools, colleges and Universities.

A WALES OF VIBRANT CULTURE AND THRIVING WELSH LANGUAGE

a. Heritage

We have supported Caer Heritage Project with Lottery Heritage Funding grant applications. The burial of a time capsule will mark the current period for future generations to understand the history and culture of Cardiff West in 2018.

A WALES OF COHESIVE COMMUNITIES

a. Our Legacy

We have improved facilities at Michaelston in the temporary accommodation, redeveloped a play area in Trelai Primary and have committed to fund Cardiff West's radio station. These projects are intended to continue to benefit the community long after our project completes.

b. School Assemblies

School assemblies with Considerate Constructors Mascots have educated young people about construction sites and our project at Cardiff West. We have aligned workshops with Children's Human Rights projects and held safety poster competitions.



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