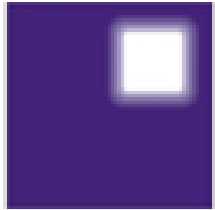


Constructing Excellence in Wales

Annual General Meeting

Wednesday 20th July 2016
2015/2016 Programme



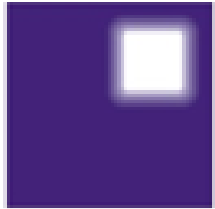


**CONSTRUCTING
EXCELLENCE**
IN WALES

The Team

Milica Kitson	Chief Executive
Paul Jennings	Director
Emma Thomas	Director
Gordon Brown	Director
Ellen Jones	Construction Waste Programme Manager
Susan Selkirk	Office Manager
Amanda McCarthy	Accounts
Stephanie Haywood	Administrator
Amy Hutchinson	Team PA
Keith Watts	Delivery Officer
Daniel Bowcott	Delivery Officer
Lloyd Sparkes	Project Officer
Jane Wade	21 st Century Schools Director
Anne Sharp	21 st Century Schools Manager





**CONSTRUCTING
EXCELLENCE**
IN WALES

Additional

Vicky Griffiths

Iona Hughes

Mark Adams

Mike Edmonds

Andy Brown

Consultant – Spare Brain Management Support

Consultant – BQMC

Consultant – MDA

Consultant – Altmore

Press & Media – Director, Frank and Brown Limited



Funding

WG Grant - Core	£300,000
WG Grant - Waste	£450,000
C21st Schools Project	£100,000
Income per annum	£1,000,000



CEW Programme

- Exemplar & Demonstration Projects
 - Construction Waste Minimisation
 - C21st Schools
 - Low/Zero Carbon & Lenders Project
 - Clubs
 - G4C
 - Task and Finish groups – Infrastructure; Procurement;
 - Consultative Forum
 - Public Sector Client Forum/CLAW
 - Forward Programme
 - Awards
 - Events Programme
-



exemplar

exemplar.org.uk

DESIGN & CONSTRUCTION CASE STUDY




Ysgol Ty Ffynnon, Shotton



PROJECT DETAILS

KEY CONTACT

DESIGN STAGE CASE STUDY




Railway Training Centre of Excellence, Nantgarw



PROJECT DETAILS

KEY CONTACT

CONSTRUCTION STAGE CASE STUDY





A477 Improvement: St Clears to Red Roses




PROJECT DETAILS

KEY CONTACT

DESIGN & CONSTRUCTION CASE STUDY

Ysgol Gymraeg Nant Talwg, Barry



PROJECT DETAILS

KEY CONTACT

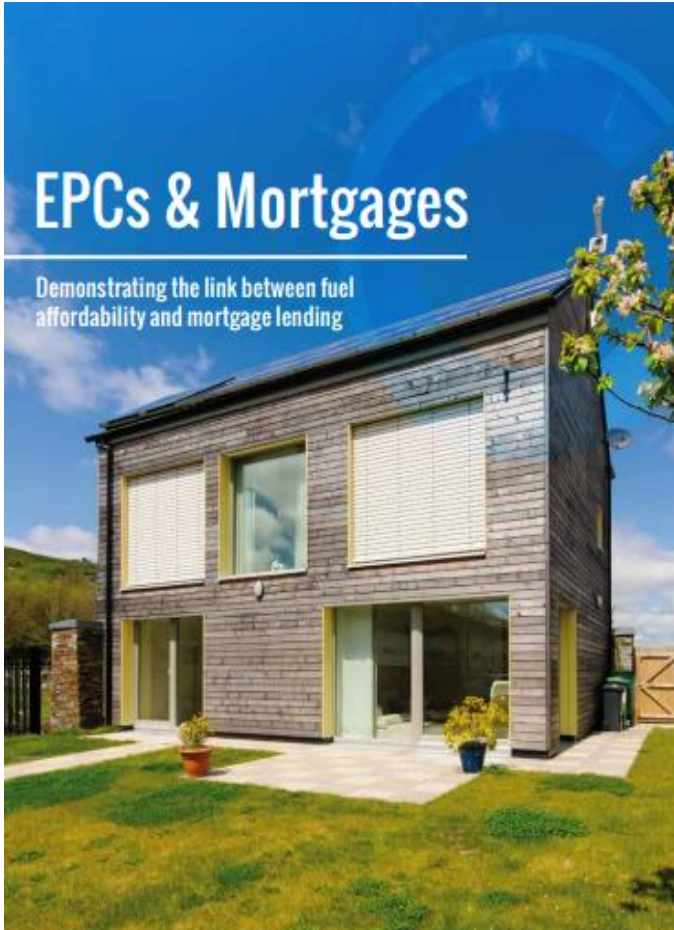
Ysgol Ty Ffynnon, Shotton

Railway Training Centre of Excellence, Nantgarw

A477 Improvement: St Clears to Red Roses

Ysgol Gymraeg Nant Talwg, Barry

Low / Zero Carbon



- LENDERS
- EPC's & Green Mortgages
- Cavity Wall Insulation/External Wall Insulation Legacy
- Retrofit App
- SME Developers



Best Practice Clubs



South West Club

- Geoff Wildman, Chair



South East Club

- Tony Norris, Chair



North Wales Club

- Chris Davies, Chair



G4C



Andrew Gibson
Jon Williams
Daryl Fisher
Sara Ifan
James Gundy
Ceri Gullett

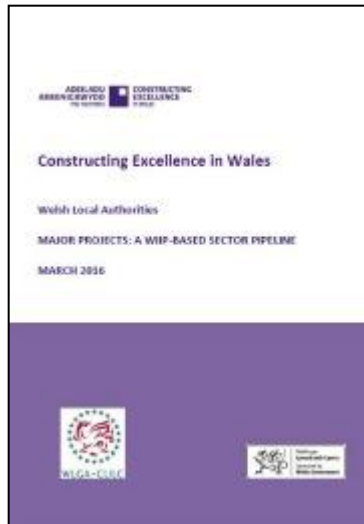
Cushman&Wakefield
WRW
Green Build Consult
Powell Dobson
Aecom
Babcock Int

Ross Irvine
Ffion Lanchbury
Jason Howells
Paul Lavelle
Dan Rossiter
Ellen Jones

Hyder Consulting
Rio Architects
Capita
Faithful & Gould
BRE
CEW



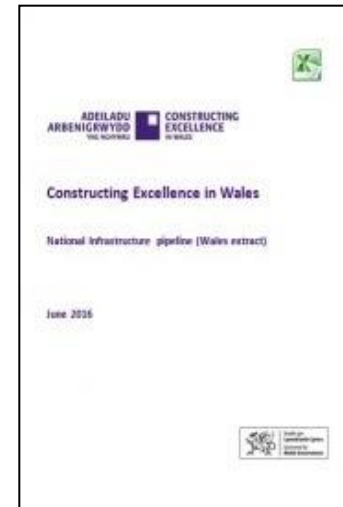
Forward Programme



**Welsh LA's
Capital
Programme**



**UK Construction
pipeline (Wales
extract) - 'non-
devolved'**



**National
Infrastructure
pipeline (Wales
extract)**



Public Sector

Public sector bodies, mainly Local Authorities, come together to discuss the successes and problems encountered in trying to implement the principles of collaborative working.





**Meetings held
quarterly
around Wales**

**CLAW Design
Group**

CLAW Awards

**Board of
Nominated
Offices**





Awards



	2015	2016
Categories	11	13
Winners	12	14
Highly Commended	3	3
Attendees	441	540
Project Value	£500m	£4.3bn
LA's Represented	11	12
Judges	20	27



Events

70 Events

**2423
Delegates**

**Venues
Across
Wales**



Newsletter

(Fortnightly)

Western Mail



(Monthly Articles)





Know How | 08.07.15 | 12.07.15



Low Zero Know How
 Wednesday 8th July 2015 - Cardiff
 Wednesday 16th July - Llandudno

- Send to a friend
- Subscribe
- Contact us
- Visit our website

- Upcoming Events
- 06 Jun 15 Constructing Excellence in Wales AGM
 - 07 Jul 15 South West Wales B&B Practica Club event with AGC Decarbonisation
 - 08 Jul 15 Low Energy Know How - Cardiff
 - 12 Jul 15 Low Energy Know How - Llandudno

Welsh flyer below (Ilydysiad Cymraeg i lawr)
 Low Zero Know How
 Wednesday 8th July 2015 - Cardiff (for more information see flyer)
 Wednesday 16th July 2015 Llandudno (for more information see flyer)
 (venue confirmed on registration)
 8am registration, £300am start approx. 9.30am finish
 Cost £250 plus VAT

During this event you will be presented with the most recent info on the Zero Carbon journey and definition, plus the latest on both the Performance Gap project and the cost of meeting the Zero Carbon Standard.
 The event will also provide delegates with the practical knowledge to meet regulations as GAIN – Gobaïn will be presenting information on a number of production solutions designed to meet the Zero Carbon target. For more information please follow links to Cardiff and Llandudno flyers.
 How to Book: To reserve your place please email CE@wales.gov.uk stating your full contact details and the names of delegates wishing to attend. Substitution of delegates can be made any time.
 Non-attendance by any registered delegates will be charged £250 plus VAT unless you have informed us prior to the event.
 We confirm numbers to the venue the day before the event and as numbers cannot be amended after this date we are charged in full for that amount. In order to reduce wastage we charge a £200 deposit at the time of booking. A full refund will be given if you notify venue details when issuing registration confirmation. This amount is only 'cash' for delegates who have a registered and confirmed order for individual seats who may or may not turn up on the day.

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Potential for Welsh construction is strong – we're building for the future

An annual CEF awards have proved again that building with focus on value delivers not just on government targets, but opens a great path to new work for our future generations in Wales. Robyn, right, chief executive of Constructing Excellence Wales (CEW)



AND THE WINNERS ARE...
 The 2015 CEF Awards Gala Dinner was held at the Cardiff Marriott Hotel on Wednesday 10th July. The event was attended by over 300 guests, including industry leaders and government officials. The awards ceremony celebrated the achievements of construction professionals across Wales. The winners of the 2015 CEF Awards are:
 Overall Winner: [Company Name]
 Best Residential Project: [Company Name]
 Best Commercial Project: [Company Name]
 Best Infrastructure Project: [Company Name]
 Best Innovation Project: [Company Name]
 Best Sustainability Project: [Company Name]
 Best Safety Project: [Company Name]
 Best Quality Project: [Company Name]
 Best Value Project: [Company Name]

CEW's annual awards ceremony is a key event for the industry, celebrating the achievements of construction professionals across Wales. The awards are presented to the winners of the CEF Awards, which are voted for by industry peers. The awards ceremony is a great opportunity for industry leaders to network and share best practice. CEW's annual awards ceremony is a key event for the industry, celebrating the achievements of construction professionals across Wales. The awards are presented to the winners of the CEF Awards, which are voted for by industry peers. The awards ceremony is a great opportunity for industry leaders to network and share best practice.

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Ysgolion yr 21ain Ganrif

21st Century Schools

Update for AGM

Anne Sharp, Programme Manager



Value for Money

- Educational Attainment
- Cost
- Certainty
- Specification
- Sustainability
- Social value

CEW outputs

- Educational Attainment

Developed & now trailing evaluation process

- Cost

Benchmarking exercises

Methodology for Whole Life Cost assessments

Model school cost templates



CEW outputs

- **Certainty**

Working with three frameworks

Procurement paper

- **Specification**

Strategy for standardisation

BIM

Best practice guides for clients



CEW outputs

- Sustainability

Review of BREEAM & Climate Change readiness

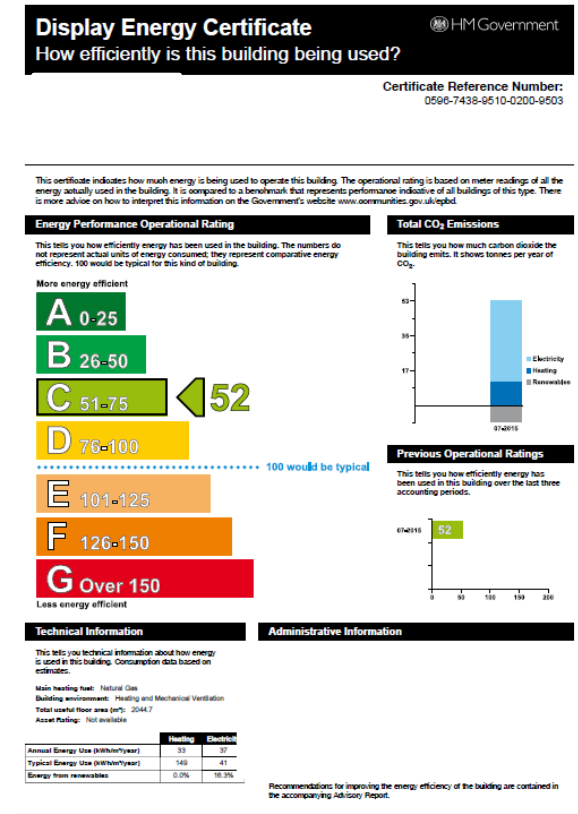
Alignment with WG legislation and guidance

EPC & DEC review

Water efficiency

- Social value

Standard KPIs issued to WG – 3 frameworks aware



Low Carbon projects update

Anne Sharp, Programme Manager



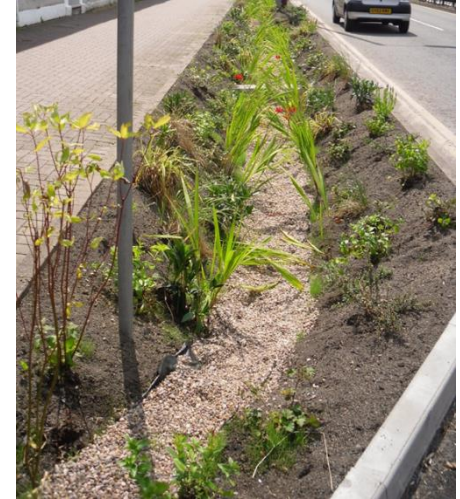
LENDERS

- Levering Economics for New Drivers to Energy Reduction & Sustainability
- InnovateUK project



Low Carbon Events

- Supporting WG's Sustainable Urban Drainage Guidance
- Disseminating NHBC & ZCH research
- Building Better Buildings
- Supporting WG's Homes & Places team - SME Developer seminars
- Groundwater heating in Cardiff
- What's new in Welsh housing seminars





Construction and Demolition Waste Programme

Enabling Zero Waste Update





Towards Zero Waste Wales 2050



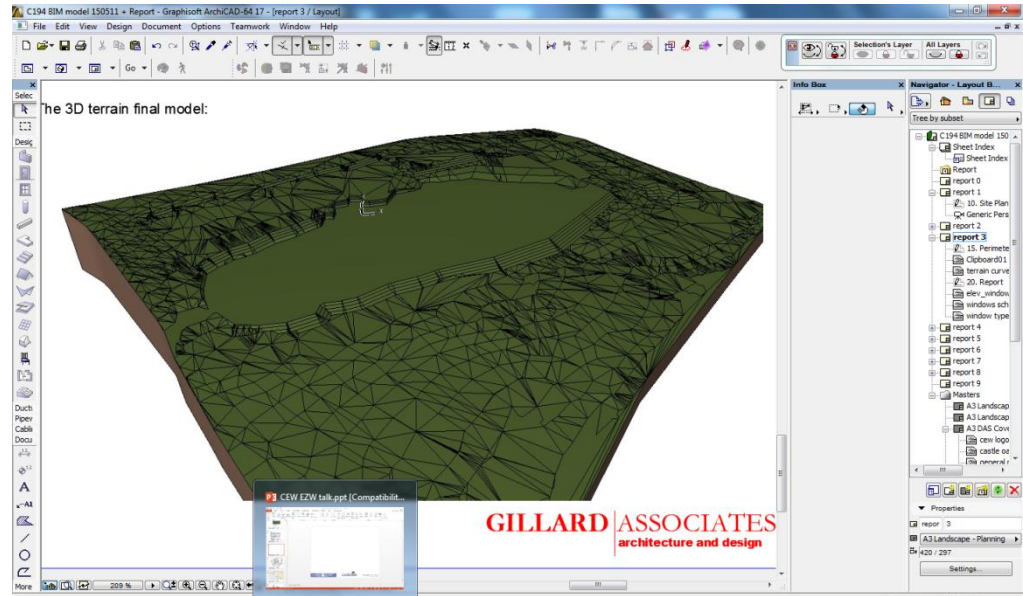
Is it feasible? Associated cost?



Enabling Zero Waste



EZW - Prevention



Bryn Ivor Lodge - Reuse

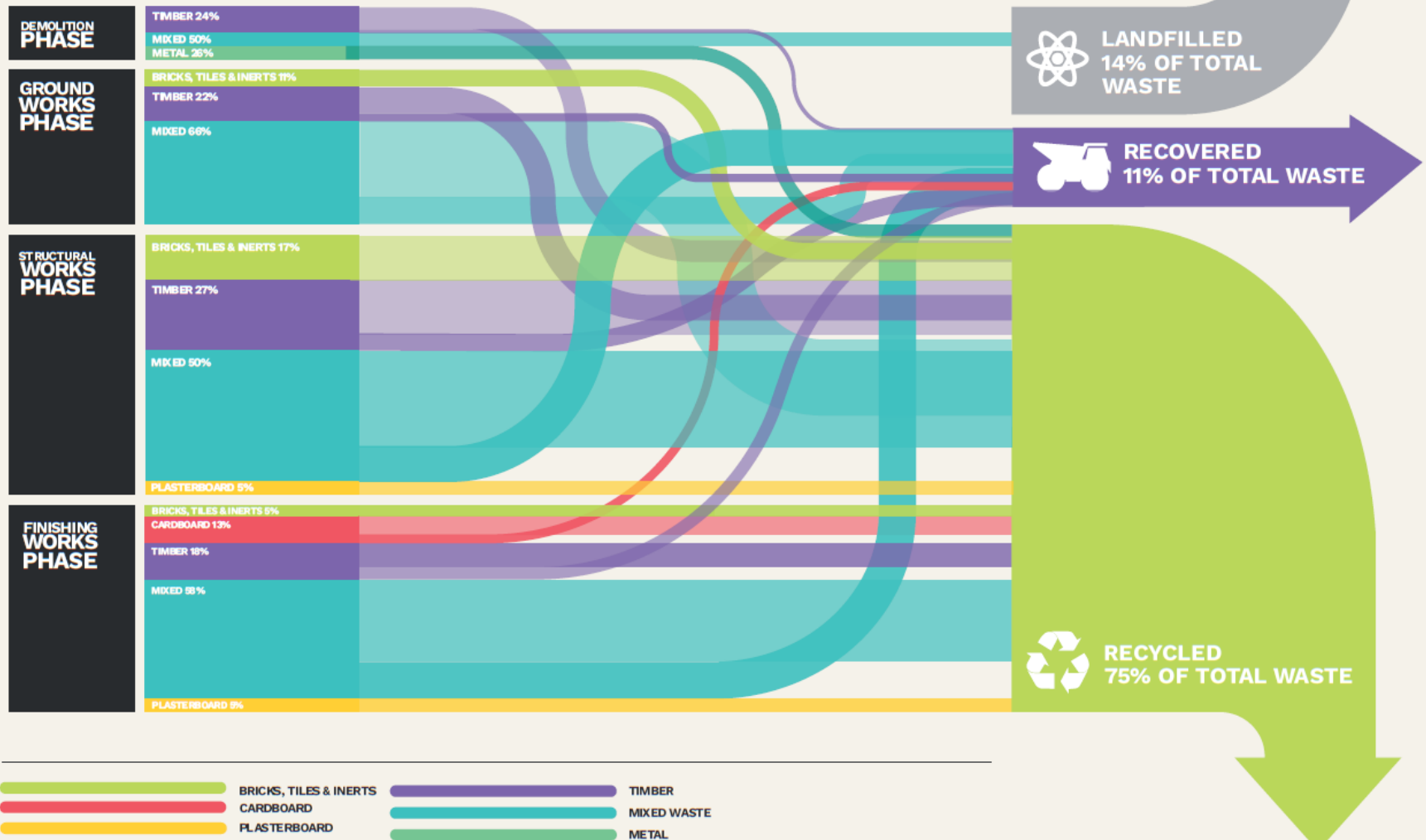


- Reuse of demolition crush and items from existing building – 712m³
- Reuse of existing road and parking areas – savings of 1,778m³
- Review cut and fill exercise on project



CASTLETON CARE HOME

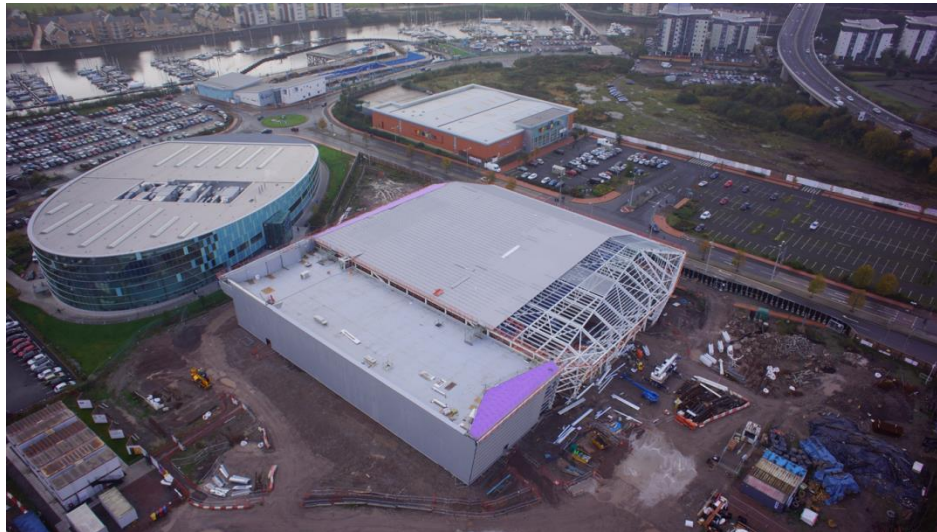
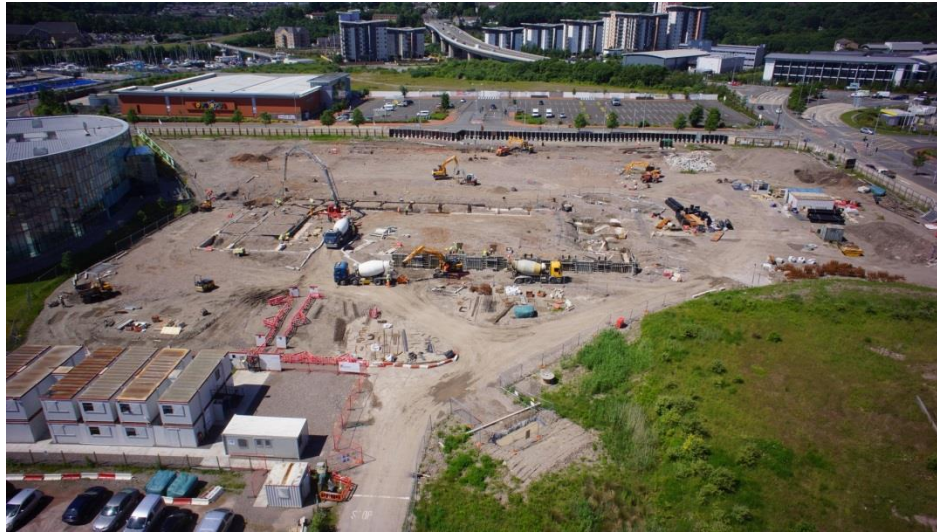
% OF WASTE BY TYPE PER PHASE

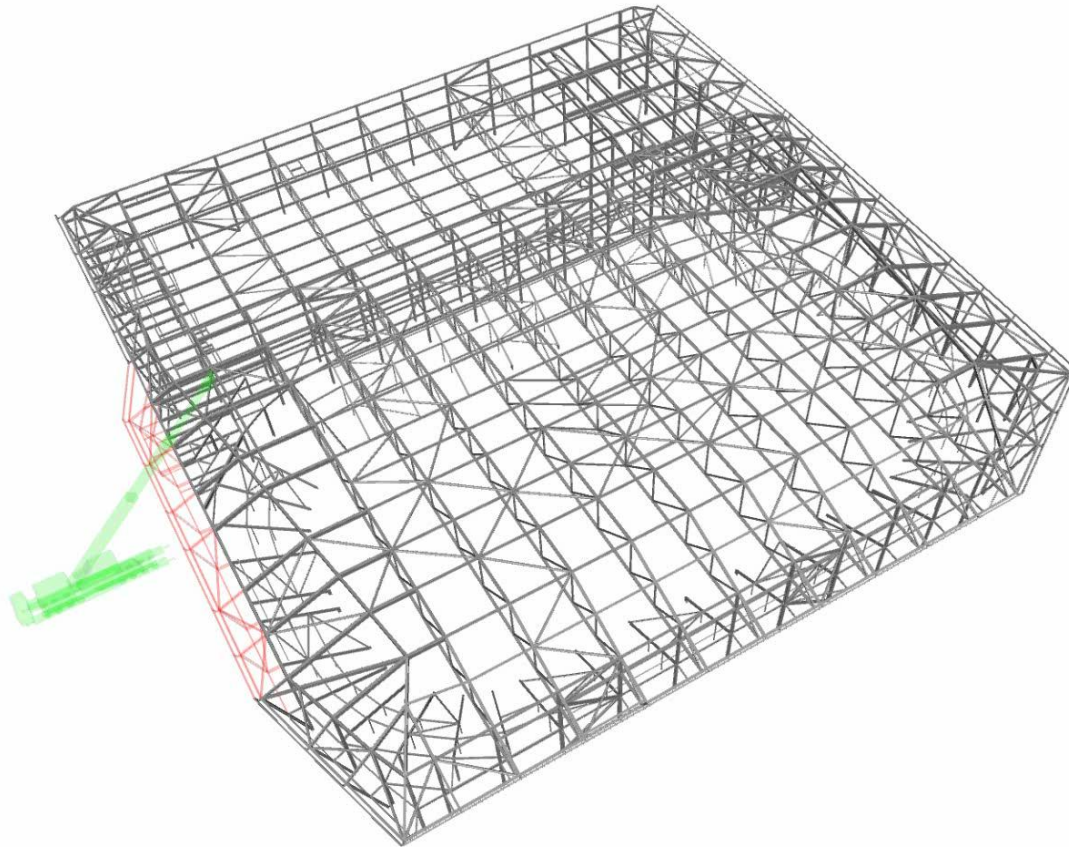


Building Information Modelling



Ice Arena Wales





Glynn Vivian Art Gallery



Millbank Primary School



Phase 2: Aberystwyth Fire Station



Phase 2: Aberystwyth Fire Station



Phase 2: Rhyl Promenade



Phase 3: Torfaen Schools, Blenheim



Phase 3: Torfaen Schools, Blenheim



Phase 3: Torfaen Schools, Blenheim



Llantarnam Road



Panteg



Panteg



Loftus Garden Village



Loftus Garden Village



Loftus Garden Village



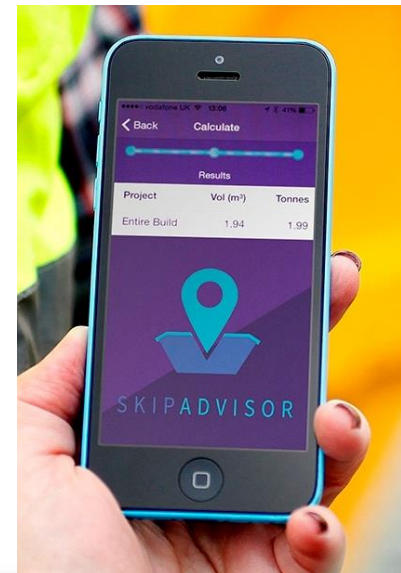
Common Challenges

- Design – Still not influencing design early enough
- Supply Chain – Importance of site waste and information
- Timescales – Programmes often limit opportunities for making waste a priority
- Composite materials
- Time and resource pressures
- Improvement in waste management and landfill diversion, but need to focus more on waste prevention
- Communication an issue for all projects
- Waste vs Resource



Construction and Demolition Waste Programme 15/16

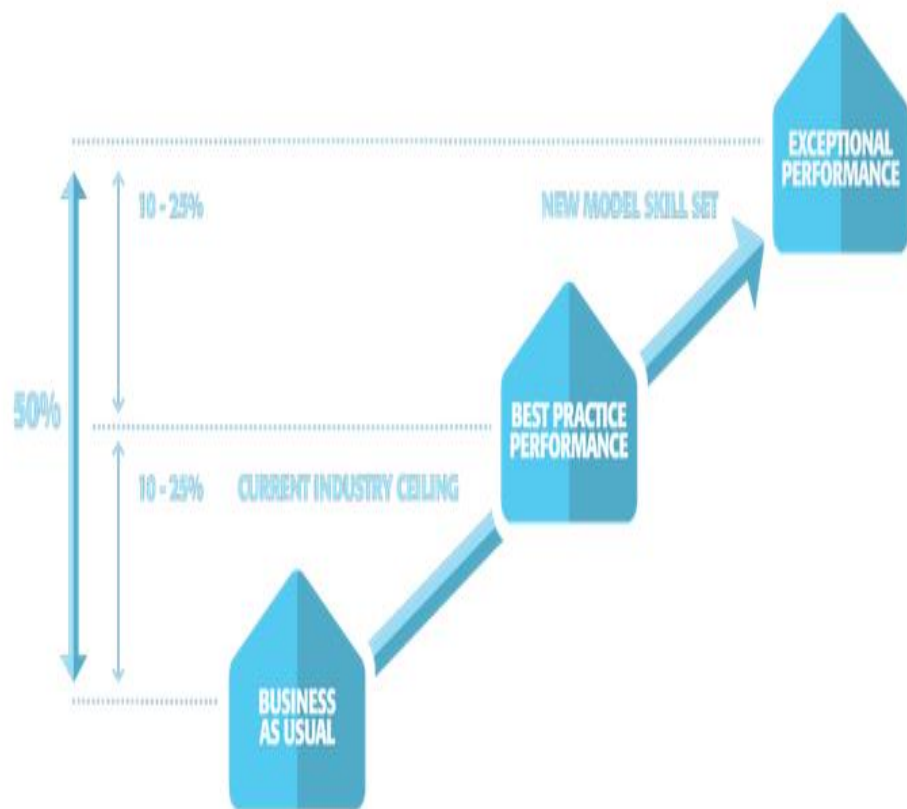
- **Surplus Centre** – 42 tonnes of surplus material donated, 26 tonnes of associated carbon savings
- **Green Compass Scheme** – Build UK support
- **Interventions and Innovation Delivery Group 15/16** – 31,500 tonnes of recycled material used instead of virgin material
- **Industry Data Collection and Benchmarking Tool**
- **Education and Guidance** – waste app



CEW Future Programme



Target



- Best practice typically 25-30% better than business as usual
- GCS 2016-2020 efficiency savings £1.7billion
- Best practice (33% improvement) could bring £1.6 billion per annum to Wales



Changing

"Kotters Eight Steps of Change"



■ Kotter, John P. and Cohen, Dan S. The Heart of Change. Boston: Harvard Business School Press

New thinking?



Whole life



Thank you for listening
Any questions?

Eml: Emma.Thomas@cewales.org.uk

Tel: 02920 49332

Mbl: 07501460042

