

South West Wales Best Practice Club

Enabling Zero Waste

Glynn Vivian Art Gallery

Presentation and Tour

Thursday 21st August

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CONSTRUCTING
EXCELLENCE
IN WALES

Welcome

Ed Evans

Director of Exemplar Programme

Constructing Excellence in Wales

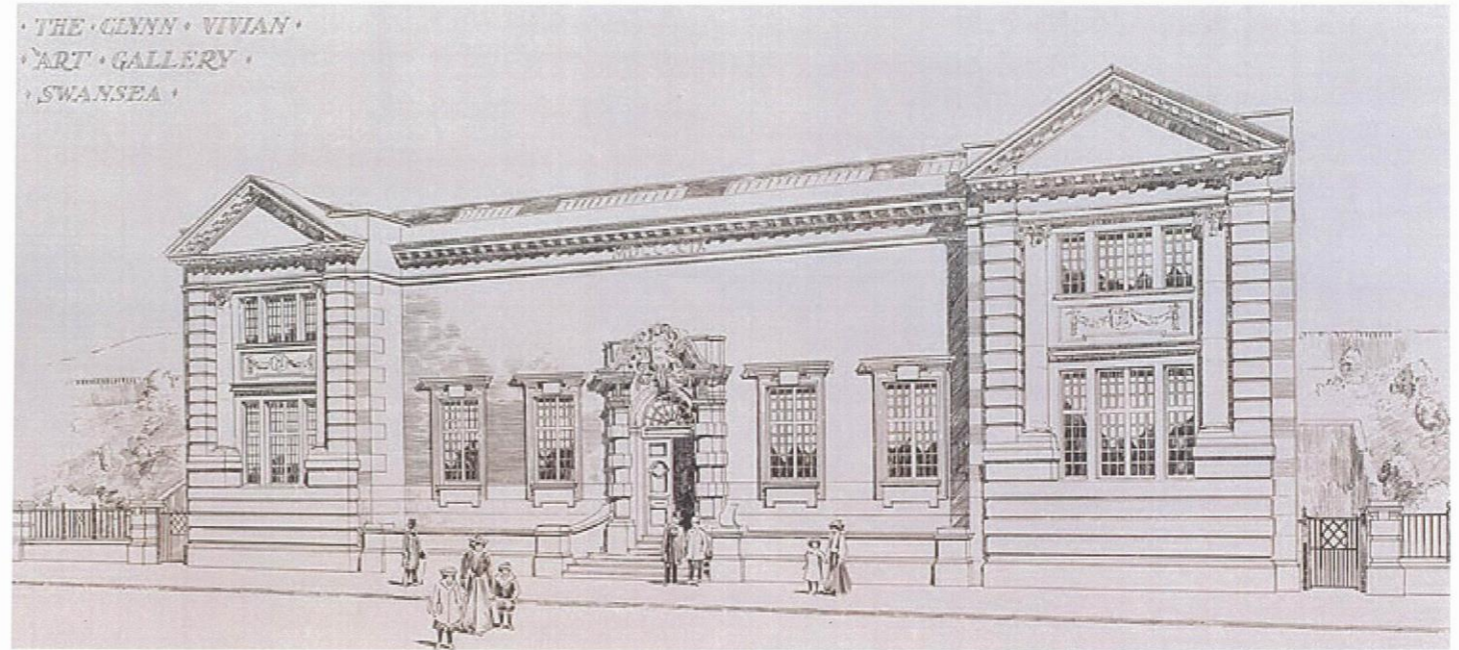
Introduction to Enabling Zero Waste

Paul Jennings

Director Construction Waste

Constructing Excellence in Wales

Enabling
ZERO WASTE
Galluogi
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Glynn Vivian Art Gallery

Jennifer Parker

Company Environmental
Champion / Site Manager



John Weaver Contractors

- SME Employing in excess of 100 directly employed staff / labour
- Specialising in conservation
- Committed to training a highly skilled workforce
- Socially and environmentally aware

Glynn Vivian Art Gallery

- Alexandra Road, Swansea
- Grade II* Listed
- Edwardian Period
- Original building 1911
- Extension 1974
- Conservation/Refurbishment & New Build
- £5.3m project
- 52 week contract

Existing Building



Challenges

- Site storage / compound area
- Located on very busy main road
- Geography of site
- Protection & retention of existing architectural features
- Tree preservation orders
- Maintaining waterproof environment to 1911 building whilst re-roofing

Site Constraints



Site Constraints







Waste Minimisation

Project Specifics

- Working with design team, client, planning and Local Authority
- Education and awareness of current usage and storage of materials
- Working with local suppliers / supply chain to reduce carbon footprint, waste packaging & damage
- Buy-back scheme with suppliers
- Care & Repair

Waste Minimisation

Project Specifics

- Re-use of existing Parquet flooring
- Cleaning off and re-use of existing bricks
- Re-use of block pavings & railings
- Segregation of waste on site
- Ply used for protection of the buildings existing architectural features will be sent back to yard and reused on other sites.
- Use of local waste management facility to crush and screen excavated arisings



Waste Minimisation

What's next??

- Discussions with roofing contractor during pre-let with regards to waste reduction and recycling of insulation.
- Investigation into ways of recycling flooring protection used in 1911 building.
- Discussions with waste management contractor and investigation on best ways to recycle / reuse roof tiles being removed due to the reinstating of original slate tiles.

BRE SMARTWASTE

- Identify waste streams & forecast waste
- Waste prevention/reduction methods
- Fulfil our Duty of Care
- Target 80% waste diverted from landfill
- Averaging 86% with some sites reaching 95%
- Enables identification of Good/Best Practice to achieve a higher percentage of waste diverted from landfill

Project Status

- Currently week no. 25
 - New build commenced with slab, lift shaft and retaining wall underway
 - Conservation / refurbishment works of 1911 building progressing
 - Refurbishment of 1974 commenced with internal tanking, structural openings and internal walls.





JWC are committed to the
reduction in waste produced,
minimising our impact upon
the Environment

Access to BRE Smartwaste for this and other
JWC projects is available via Jennifer Parker

Thank you

Q & A