

The National Manufacturing Institute Scotland

The University's first energy carbon neutral
(in operation) development



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Speakers:

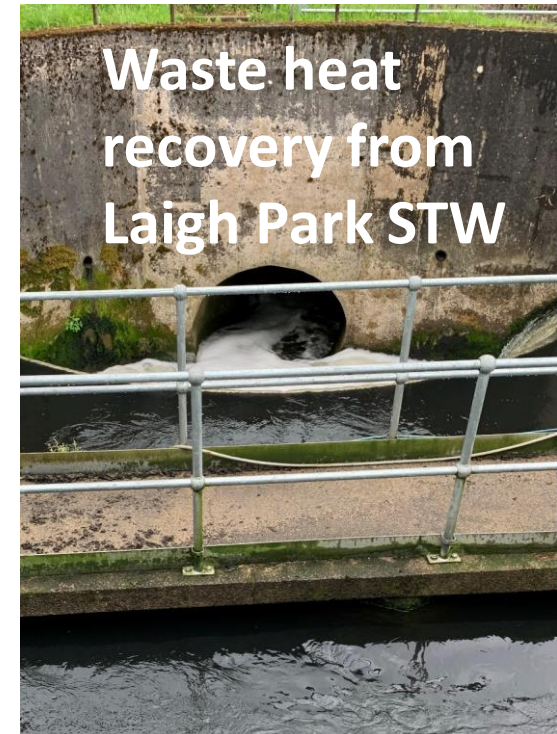
Dr Roddy Yarr – Executive Lead Sustainability, University of Strathclyde

Ross Barrett – Design Director, HLM Architects



Carbon and sustainability highlights

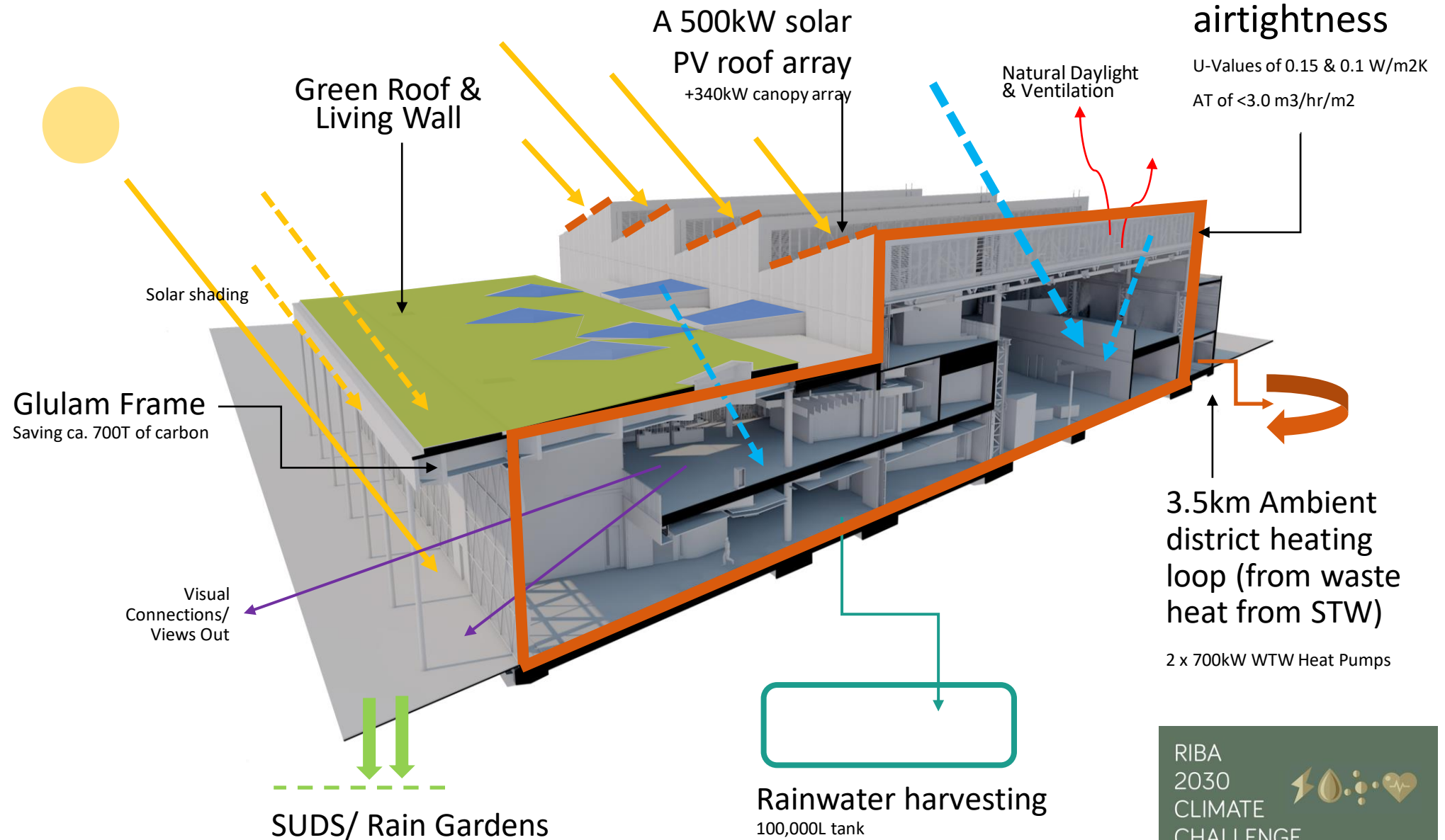
- EPC A+ rated, BREEAM Outstanding (design)
- Net Zero (Regulated) Energy
- Heat supply agreement in partnership with Renfrewshire Council, LCITP (Heat Network Fund), Scottish Water. Support from LCITP
- Enabled a 3.5km Ambient district heating loop – uses waste heat from STW, circular
- Funding of University elements by SFC and Salix Finance



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Carbon and sustainability elements



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RIBA
2030
CLIMATE
CHALLENGE



A large, modern interior space with a high ceiling featuring a complex wooden truss system. The space is filled with large windows, providing a view of the outdoors. People are working at desks and sitting on a bench. A man is standing near a glass partition on the right.

A large vertical garden wall with a geometric pattern of triangles, some filled with lush green plants and others left empty. A man is sitting at a table in the foreground, working on a laptop, and a blurred figure is walking past.

Takeaways...

- Public sector institutions (like Universities) need to innovate, plan, and accept some risk in order to enable 'at scale' carbon and climate neutral delivery
- Tackling climate change mitigation at scale using waste heat and clean tech is a huge opportunity for Scotland
- Work with others to achieve scale and ambition can bring forward large scale climate infrastructure



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