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INERTWASTE

The Net Zero Public Sector Standard: Lessons learned since 2021

Nick Ribbons

Construction Partner, Zero Waste Scotland

nick.ribbons@zerowastescotland.org.uk

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The Standard origins

Timeline

- Developed in 2018 – voluntary standard adopted by Scottish Government.
- Launched in 2021 – by Scottish Futures Trust and Zero Waste Scotland
- Revised 2023 – includes major retrofit.
- Currently - ~£3bn projects registered
- Notable projects – Monklands Hospital, NHS Lanarkshire; Dunfermline Learning Campus, Fife Council

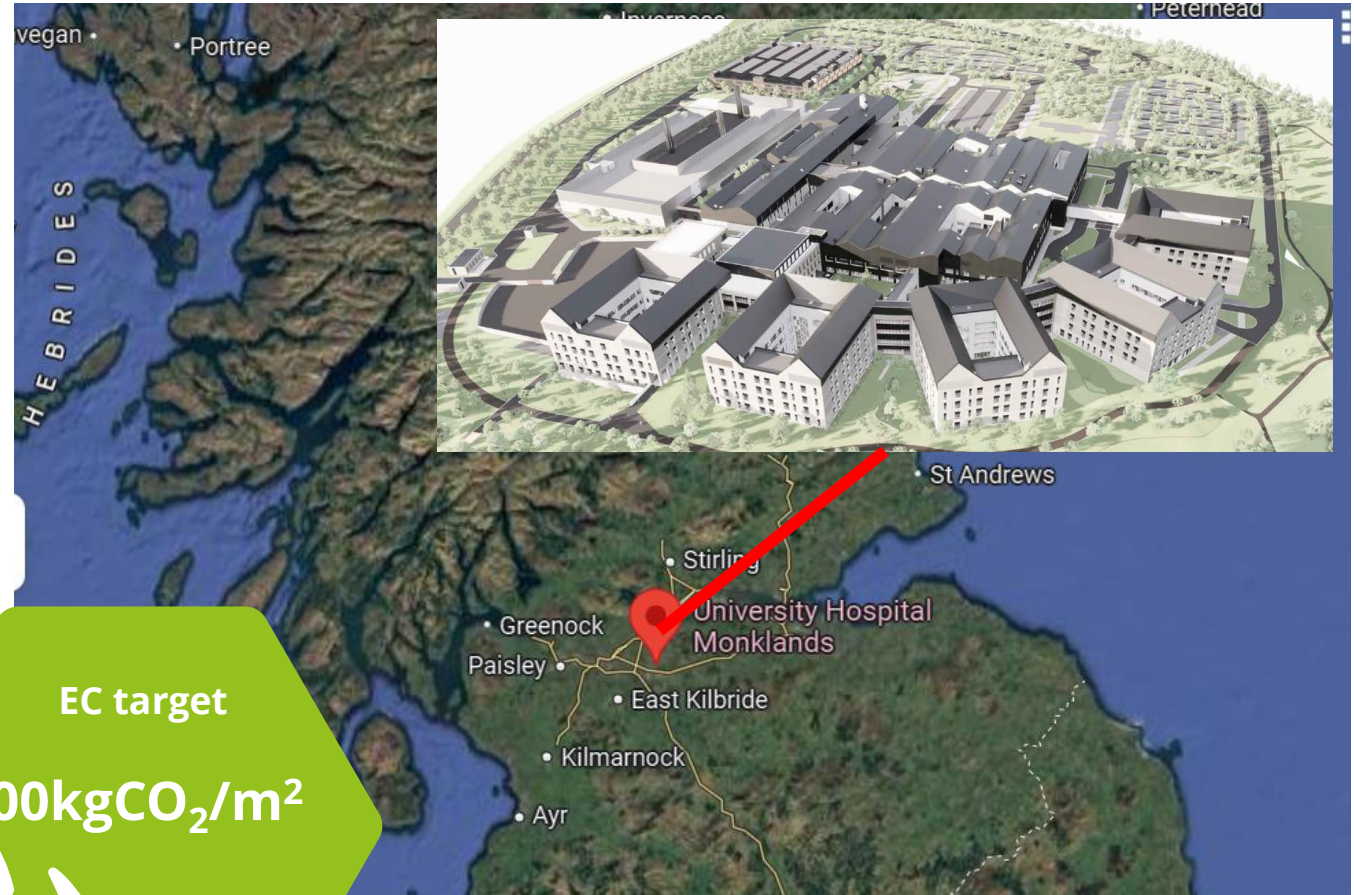
The Standard sets net zero requirements across six Objectives:

Place	Objective 1	Inclusive NZC Economy Outcomes
Carbon	Objective 2	Construction embodied carbon
	Objective 3	Operational energy carbon
	Objective 4	Other whole life carbon
Environment	Objective 5	Indoor environmental quality
	Objective 6	Other environmental aspects

Embodied / WL carbon NHS Monklands Replacement Project

The UK's first net zero hospital

- £700m/ €830m construction cost
- 162,000m² footprint
- Advanced digital modelling required by the Standard has enabled the client to understand their embodied and WL carbon footprint.



EC target

600kgCO₂/m²



Embodied carbon and material selection

Stage 2 (Baseline)

Project Name Monkland Replacement Proj Project Sector Office Assessment Date Assessment By (company) Currie and Brown Location of Data Airdrie, North Lanarkshire, Scotlc	Upfront Embodied Carbon A1-5 exc. sequestration (kgCO ₂ e/m ²)	Life Cycle Embodied Carbon A1-5, B1-5, C1-4 (kgCO ₂ e/m ²)
A++	100	150
A+	225	345
A	350	530
B	475	750
C	600	970
D	775	1180
E	950	1400
F	1100	1625
G		
Non-Listed Typology:		
Sequestered Carbon:	-3 kgCO ₂ e/m ²	
Module D:		-307 kgCO ₂ e/m ²

Stage 3 (Baseline)

Project Name Monkland Replacement Proj Project Sector Office Assessment Date Assessment By (company) Currie and Brown Location of Data Airdrie, North Lanarkshire, Scotlc	Upfront Embodied Carbon A1-5 exc. sequestration (kgCO ₂ e/m ²)	Life Cycle Embodied Carbon A1-5, B1-5, C1-4 (kgCO ₂ e/m ²)
A++	100	150
A+	225	345
A	350	530
B	475	750
C	600	970
D	775	1180
E	950	1400
F	1100	1625
G		
Non-Listed Typology:		
Sequestered Carbon:	-13 kgCO ₂ e/m ²	
Module D:		-191 kgCO ₂ e/m ²



In Accordance with LETI Embodied Carbon Declaration

**Time for
questions**



Thank you!

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