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EVENT THREE

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Green Retrofitting and Low Carbon: A new taxonomy of skills for a more sustainable construction sector

Why is Green Retrofitting and Low Carbon such an important skillset area in 2024?

The need for Ireland to transition to a greener economy and society has never been more urgent. Ireland has committed to halving its greenhouse gas emissions by 2030 and to reaching net-zero emissions by 2050 at the latest. While the climate crisis accelerates, the construction activities continue to have a detrimental impact on the environment. This requires a step change in attitudes to

new building versus retrofit alternatives. A green retrofitting and a low carbon first mindset will greatly assist in addressing the environmental, social, and economic concerns associated with traditional building practices. By retrofitting existing buildings, we can optimise energy efficiency, reduce resource consumption, and minimise waste generation.

What are the skills required?

Examples of technical and soft skills associated with Green Retrofitting and Low Carbon include:

Technical Skills

- Green Retrofitting tools
- Low Carbon Building Material Passports
- Energy Modeling and Analysis
- Waste Management
- Green Certification
- Green Technologies
- Compliance and Monitoring
- Carbon Foot printing

Soft Skills

- Innovation
- Management of Climate Change
- Strategy and Leadership
- Adaptability and Creativity
- Sustainability Literacy
- Critical Thinking
- Accountability
- Inquisitiveness



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