



# Careers in Energy Retrofit

Justine Barrett

Retrofit Business Development and Supply Chain





# Berth Sheehy

- As the CEO & Founder of Energywise Ireland, my journey into the realm of energy efficiency for buildings has been both rewarding and challenging. With a firm background in sustainable energy, I've been steering Energywise Ireland towards innovative solutions since its inception in 2009. My mission has always been clear: to reduce emissions and enhance living comfort through the adoption of renewable energy solutions.

# Energywise Ireland

- Founded in 2009, Energywise Ireland offer a wide range of services including One Stop Shop grants, individual Grants, Heat pumps, Solar PV, EV Chargers, Ventilation Systems and much more. Our state of the art showroom which showcases the most modern renewable energy solutions is always open for your viewing.



**Heat  
Pumps**



**Solar PV**



**One Stop  
Shop**



**EV  
Chargers**



**HRV**



**Heating  
Controls**



# OPPORTUNITIES IN THE RETROFIT MARKET

# Growth in the sector

- Notable shift with first-time buyers purchasing existing properties.
- SEAI grants has significantly enhanced the attractiveness of existing homes for those entering the housing market for the first time.
- Current homeowners now have the opportunity to enhance their homes' comfort and energy efficiency.
- Vacant property grant in conjunction with SEAI grants.

# Increase in Demand for Workers



- Volume of work available in the retrofit market, both in housing & commercial buildings.
- The Irish retrofit market presents a significant opportunity for workers to upskill and advance their careers in a rapidly evolving sector.
- Upskilling in the retrofit market not only offers immediate job opportunities but also long-term career advancement and security in the industry.
- Our Children will have a career in this industry.



# Collaboration and Networking Opportunities

- Working in retrofit projects - rich environment for networking, learning, and professional growth
  - Collaboration with architects
  - Engineers
  - Construction firms
  - Energy consultants
  - Government Organisations
  - Housing Bodies & Much More
- The retrofitting industry boasts a rich diversity of roles, offering dynamic and varied workdays that keep the job engaging and far from mundane. This variety ensures that every day presents new challenges and learning opportunities, keeping the work fresh and exciting.






# Nationwide Opportunities



- The scope for retrofitting is widespread, presenting job opportunities across the country, not just in major cities. This means individuals can find employment within their local communities, reducing the need for long commutes and enhancing work-life balance.

# Career Opportunities in Retrofit

- From our own experience we have seen the increase in the opportunities in the following Careers:

-  Sales Staff
-  Design Engineers
-  Project Managers
-  Ventilation Engineers
-  Heat Pump Engineers
-  Electricians
-  Plumbers
-  Solar PV Installers
-  Admin Support
-  Technical Support
-  Warehouse Staff
-  Delivery Drivers
-  Window Fitters
-  Door Fitters
-  Insulation Installers
-  Production Staff
-  Software Engineers
-  AI Analysts
-  Marketing Staff
-  Accounts Staff

# Sense of Pride

- Workers in the retrofit sector can take immense pride in their craft, knowing that their efforts have a tangible, positive impact on people's lives. Moreover, the direct interaction with homeowners enhances the sense of accomplishment and community connection.
- The invaluable knowledge that each day's work contributes positively to environmental stewardship is a powerful motivator. It's a worthy legacy to leave for future generations, and a story to proudly share with one's grandchildren about the role you played in preserving our planet.

# ETB Centre's of Excellence

Sectoral Response to upskilling / reskilling in Green Skills



## Context:

By 2030 '**Business as Usual**' will require:

- C120,000 additional Skilled Construction Workers
- C164,000 construction workers and building professionals upskilled
- C26,000 current student population to be upskilled



# Centre Locations



- Waterford Wexford ETB
- Laois Offaly ETB - National Construction Training Campus, Mount Lucas
- Limerick Clare ETB
- Cork ETB
- Mayo Sligo, Leitrim ETB
- City of Dublin ETB (Ballyfermot)

# Our Approach

- Consultation with policy makers and key stakeholders
- Identifying skills deficits or responding to Industry requests
- Development of new programs under the guidance of Industry
- Consortium led CofE group
- Collaboration within the CofE's to ensure consistency of practise
- Flexible delivery modes to facilitate upskilling / reskilling





# Our Courses

Micro-generator Electrical  
Installations

Sustainable Supply Chain

NZEB Retrofit

Airtightness and Vapour Control

Domestic Heat Pump Installer

NZEB Site Supervisor

NZEB Fundamental

NZEB for Trades Awareness

Retrofit Skills

Micro-solar PV systems

External Wall Insulation  
Installer

LEAN Management

Greening your Business/Environmental Sustainability

BER Assessor

# **DASBE** Digital Academy for the Sustainable Built Environment.



**DASBE** is a Digital Hub to support and help upskill and reskill the Construction Industry in Ireland

[SMEs, Professionals, Workers, Manufacturers & Building Providers, Managers, IT and Digital experts]

1. DASBE rapidly develops a range of courses in collaboration with industry partners.
2. DASBE provides partial funding to all courses.
3. DASBE has a National Digital Training Platform
4. It's a Training one stop shop for Ireland

[www.dasbe.ie](http://www.dasbe.ie)

**DASBE Conference 9<sup>th</sup> May 2024**  
<https://dasbe.ie/transforming-construction-skills-conference/>



**ENERGY EFFICIENCY**

The residential sector accounts for 25% of all energy used in Ireland. New buildings must meet an nZEB standard by 2020.

SEARCH PROGRAMMES

**CIRCULAR ECONOMY**

The EU's transition to a circular economy will reduce pressure on natural resources and will create sustainable growth and jobs.

SEARCH PROGRAMMES

**DIGITAL SKILLS**

A strong digital economy powered by Europeans with digital skills is vital for innovation, growth, and jobs.

SEARCH PROGRAMMES





Explore

Choose

Set up Account

Upskill

## Digital Academy For The Sustainable Built Environment

A hub for upskilling, capacity building and education in the construction sector.

EXPLORE PROGRAMMES



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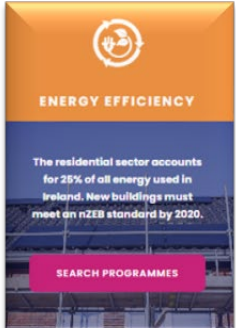
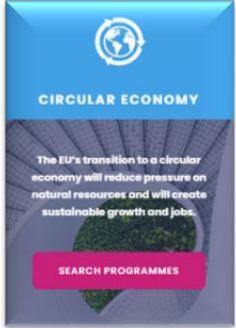


DIGITAL SKILLS

A strong digital economy powered by Europeans with digital skills is vital for innovation, growth, and jobs.

SEARCH PROGRAMMES

# TUS Courses 33-80% funded



L7 Certificate in Green Procurement in Construction  
L9 Certificate in the Decarbonisation Solutions for the Built Environment  
-Certificate in Decarbonisation Strategies and Options  
-Certificate in Decarbonisation Analysis and Solutions

L6 Certificate in Residential Retrofit Site Coordination (with LOETB)  
L8 Higher Diploma in Energy Renovation of Traditional Buildings (with Heritage Council)  
-Certificate in Energy Renovation of Traditional Buildings  
-Certificate in Approaches to the Renovation of Traditional Buildings  
-Certificate in Appraising Traditional Buildings  
-Certificate in Managing Traditional Buildings

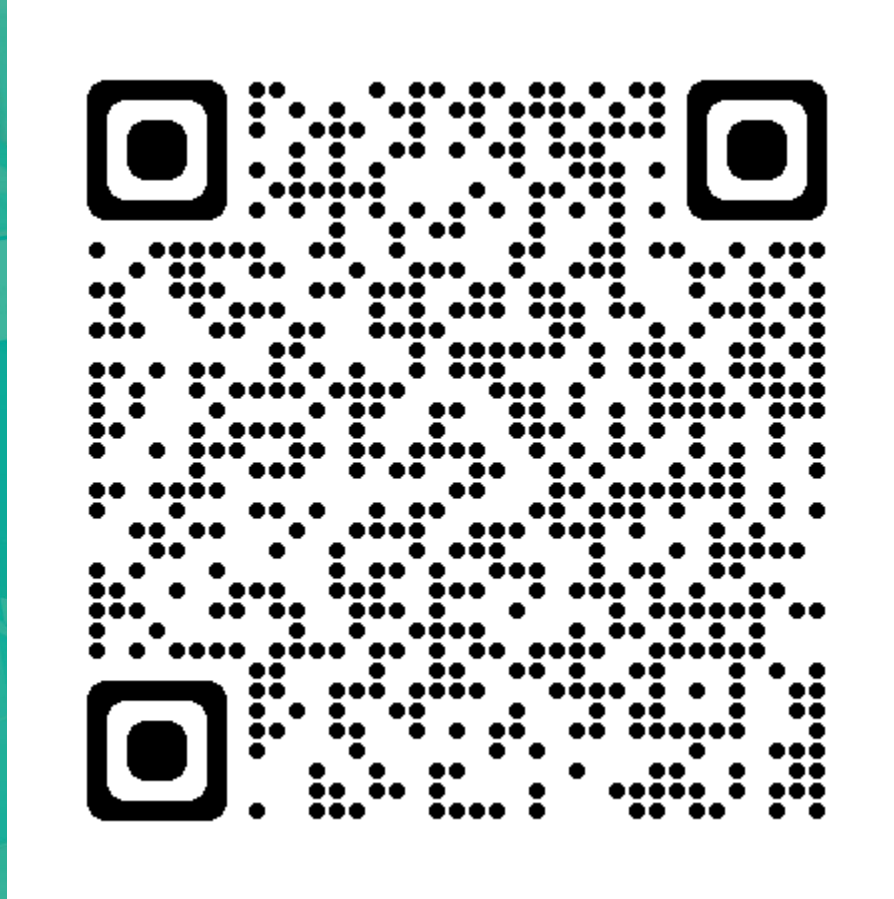
L6 Certificate in Drones for Construction (with Munster Drone Services)  
L8 Scan to BIM  
L6 Fundamentals of BIM ISO 19650  
L7 BIM and CDE Data Analytics  
L8 Certificate in BIM and whole life carbon and cost assessment  
L8 Certificate in BIM for Facilities Managers



# Contact Us:



Rialtas na hÉireann  
Government of Ireland



[NZEB | FET \(thisisfet.ie\)](https://thisisfet.ie)

# **OLLIE HUGHES** **MANAGING DIRECTOR**



# BACK STORY AND ACHIEVEMENTS

- Plumber by trade.
- Established NRG Panel in 2015.
- SEAI Registered for heat pumps in 2018.
- SEAI registered for one stop shop scheme in 2024.



# ROLE AND RESPONSIBILITY



- Head of Heat Pump and One-Stop-Shop Dept.
- Oversee multiple teams from marketing to opts.
- Lead departmental efficiency and growth.
- Ensuring we provide industry leading services.





***Breffni***

ECO GROUP

**Christopher Garry – Programme Manager  
for the  
Warm Home Scheme**

# My Journey



## Career Path to the Retrofit Industry

- 3<sup>rd</sup> Level Education
- Construction Experience
- Pathway to Retrofit Industry
- Current Role



## Positive outcomes working in Retrofit Industry



1. Making a Positive Impact
2. Innovation and Problem-Solving
3. Continuous Learning and Development
4. Team Collaboration
5. Environmental Stewardship

# Reasons to recommend the retrofit sector



1. Make a difference to environmental sustainability
2. Diverse opportunities for career growth and development
3. Creating positive change in the built environment