



RISE

Retrofit information,
support & expertise

Retrofit career pathways: data related jobs

Supply chain advice pack

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Funded by:



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www.riseretrofit.org.uk



Introduction

About this pack

This pack is designed for the supply chain to help support growth and upskilling in the retrofit sector. To clearly understand the types of retrofit careers available we have divided them into operational and technical categories. This pack focuses on the operational area. For each topic within operational roles the advice pack will explore examples of the job titles, routes into those jobs, relevant qualifications and a typical working day, and progression areas for the role.

Operational roles

1. Project management
2. Contract management
3. Resident engagement
4. **Data analysis**
5. Procurement
6. Other: Asset management, financial and legal roles

Technical roles

7. PAS 2035
8. Building Heritage
9. Related Building Surveys
10. Air permeability
11. Ecology and biodiversity

What the pack covers

- a) Importance for the retrofit supply chain
- b) Examples of retrofit roles
- c) Examples of routes to the roles
- d) Examples of relevant qualifications
- e) Examples of tasks for competencies
- f) Examples of progression routes
- g) Example benefits to a career in this area

4. Data analysis roles

a) Importance for the retrofit supply chain

Retrofitting the UK's housing is a critical piece of the decarbonisation jigsaw. In 2024, the Climate Change Committee reported that residential buildings were the second highest emitting sector in the UK with 53.2MtCO₂e¹.

There are millions of pounds worth of retrofit funded projects, for example around £500 million for the Warm Homes: Local Grant and £1.29b for the Warm Homes: Social Housing Fund Wave 3, which run until 2028.

Retrofit projects rely on accurate data in several ways. They require baseline data such as heat demand, building type, energy performance certificates, stock condition surveys or similar. Data should include tenant information such as drop-out rates, hard-to-reach or vulnerability data, and eligibility criteria. It may also include data for monitoring energy performance to show actual energy savings compared to the estimates. Accurate information on properties and residents helps projects go to plan.

b) Examples of retrofit data roles

Data roles in the retrofit sector may not carry conventional titles such as 'Data Analyst' or 'Statistician' but are more likely to be encompassed into Project Officer, Project Manager or Data Officer roles.

c) Examples of routes to roles

- apprenticeships
- graduate placements
- career transitions
- incorporating data into related roles such as Project Officer, Project Manager, Data Support Officer or Programme Manager of similar.

d) Examples of relevant qualifications

General topic areas at college, university or other qualification levels:

- statistical analysis
- data analysis
- data management.

Other qualifications which would be useful for building level data:

- Domestic Energy Assessor (DEA)
- Retrofit Assessor
- Retrofit Coordinator
- Other Qualifications in building physics.



¹ [Climate Change Committee 2025 report to Parliament](#)

e) Examples of data analyst tasks or competencies

- **Data collection:** this could include data for air permeability, indoor air temperatures, indoor air quality (CO₂ levels, relative humidity), energy savings, bill savings and more. This may require considerations on frequency, accuracy, method, formats etc.
- **Data analysis:** analysing stock data and modelling retrofit measure scenarios to identify the best value in terms of health, affordability, environmental benefits and cost.
- **Data validation:** checking data quality for consistency, ensuring that energy use, energy bill savings, tenant eligibility, funding spent, etc. is correct or within an expected threshold.
- **KPI reporting and monitoring:** verifying actual delivery against estimates and making sure any variations are clearly reported.
- **Monitoring and evaluation:** once measures have been installed there are requirements from the funder (DESNZ) to carry out monitoring and evaluation of the impact of the retrofit works.
- **Data insights:** using the lessons learned to improve services.

Learning:

- To learn more about data for retrofit you can view the RISE toolkit [here](#).
- It can be useful to understand building physics, benchmark consumptions, emission factors, data protection and data analysis skills.
- There are several retrofit-specific functions and software packages that are useful to know about. Common retrofit data software options are listed in the table below. Please note this was published in July 2025 and may be subject to change and that these are neither recommended nor endorsed by RISE or DESNZ.

Retrofit-related Software	
Energy modelling: <ul style="list-style-type: none">• BRE Group: HSDC, SAP and RdSAP• Elmhurst Energy: Streamline• Sava: Intelligent Energy• Energy Saving Trust: Home Analytics• IRT surveys: DREam• Cotality: Portfolio• Energy Audit Company: Uno	
Mapping: <ul style="list-style-type: none">• ArcGIS: ArcGIS	

f) **Examples of progression routes**

- Pathways could include progression from data collection and cleansing tasks to analysis, and from there to strategic tasks.
- Alternatively, it may involve an increase in the complexity, size and scale of data sets.
- Related roles or titles; this could be Project Officer or Data Support Officer to Programme Manager or Data Strategy Lead. Please note, each organisation will have its own approach to these roles within their structure.

g) **Example benefits to a career in this area**

- Helping to reduce CO₂ emissions, addressing climate change and contributing to positive environmental and social change.
- Supporting efficient and timely project delivery.
- Learning skills which could be highly transferrable to other roles.

Resources

- UK Government data analyst career information [here](#).



Toolkits: Data for Retrofit Projects Toolkit available [here](#).

Masterclasses: Housing stock data playlist available [here](#).



Podcast: RISE podcasts available [here](#).

Masterclasses: “Digitalisation in retrofit with Fairhive Housing” available [here](#).



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