Supporting Retrofit Professionals

David Pierpoint, Chief Executive
THE STORY OF CORE – REGENERATING LONGTON

FROM DERELICT EYESORE TO WORLD-CLASS FACILITY
£12m INVESTMENT IN A DERELICT POTTERY WORKS IN LONGTON
£12.4m LATER ......
BREEAM EXCELLENT RETROFIT:
1. Solar Thermal Hot Water
2. Solar PV (8.5KW)
3. Ground Source Heat Pump
4. Air Source Heat Pump
5. Green Roofs
6. Biomass Boiler
7. Grey Water Recycling
8. Triple Stack Passive Ventilation/MVHR
9. Triple Glazed Passivhaus Windows
10. Internal Retrofit Insulation
11. External Retrofit Insulation
12. Sensor Controlled Windows
13. Sensor Controlled LED Lighting
PERFORMANCE GAP?

- Energy costs are far higher than predicted
- Complex tenancy arrangements - FiT and RHI
- New building users
- No “Soft Landing”
- Significant BMS snagging
- Cold rooms = business interruption
Delivering Better Retrofit

THE RETROFIT COORDINATOR DIPLOMA
RETROFIT CHALLENGES

• Inconsistent policy
• No established best-practice
• Poor communication within teams
• Failure points at the junctions and edges
• Assessments lack depth and consistency
• Customers lack trust in suppliers
• Technical training silo-based
• Lack of leadership skills
• Clients lack quality-assurance
CoRE’s SOLUTION

What is a Retrofit Coordinator?

Retrofit Coordinators fulfil three roles:

Manage: They undertake the traditional role of a construction project manager in respect of planning, organising and managing projects towards delivery on time and on budget.

Coordinate: Providing informed advice and support to contractors and consultants to engender understanding and teamwork in order to achieve the energy performance that retrofit seeks.

Quality assure: Providing assurance to retrofit clients so that the project risk is managed.

Who should become a Retrofit Coordinator?

Retrofit Coordinators could come from any professional background but will include:

- Architects
- Asset Managers
- Building Services Engineers
- Building Surveyors
- Construction Managers and Site Foremen
- Construction Project Managers
- Energy Assessors and Consultants
- Energy Managers

www.core-skills.com
Retrofit Coordinators will ensure that predicted energy savings are delivered in practice, addressing the common failure points such as:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Procurement</th>
<th>Design</th>
<th>Construction</th>
<th>Handover</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poor client interest/ knowledge of energy and carbon performance. Over ambitious claims made by designers, contractors/ developers and suppliers not supported by evidence.</td>
<td>Salami slicing of delivery under modern procurement into ever thinner trenches of work undermines responsibility and ‘ownership’ for successful completion of tasks - particularly at interfaces.</td>
<td>Lack of the robustness of detailed design, poor understanding of component interactions in both fabric and services systems; - lack of consideration to the needs of householders and resident-friendly controls.</td>
<td>Construction work and sequencing often ad hoc without testing to check performance.</td>
<td>General lack of useful guidance documents or induction procedure.</td>
<td>Very few buildings are ever scrutinised after handover to check how they are performing thereby missing opportunity to rectify problems. Potential valuable lessons for all the delivery team lost.</td>
</tr>
</tbody>
</table>
CoRE DIPLOMA: RETROFIT COORDINATOR

60 hours of face to face training spread over 10 days

Expert-led tuition and assessment

‘Fast Track’ programmes over 2 months

Learner can work towards Diploma at their own pace

All units eligible for 50% funding through BIS E-OS fund

Available in Stoke, London, Manchester, Birmingham, Flitwick and elsewhere
THE FUTURE

- Non Domestic Retrofit Coordinator
- Courses available in every region
- Intermediate and Advanced Level Diplomas
- e-Learning and other learning formats
- Retrofit Professionals Register
- MSc in Retrofit
- Retrofit Apprenticeship
THANK YOU

Come and see us on Stand N4004

david.pierpoint@core-skills.com
07714 742 661

Course Bookings:
Louise.Williams@core-skills.com
01782 792 900