Delivering skills – sustainability in offsite construction

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EDUCATING THE SUPPLY CHAIN
## Construction 2025 - Targets

<table>
<thead>
<tr>
<th>Category</th>
<th>Target</th>
<th>Icon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost</td>
<td>33%</td>
<td>£</td>
</tr>
<tr>
<td>Programme</td>
<td>50%</td>
<td>🌍</td>
</tr>
<tr>
<td>Carbon</td>
<td>50%</td>
<td>🌋</td>
</tr>
<tr>
<td>Exports</td>
<td>50%</td>
<td>🌍</td>
</tr>
</tbody>
</table>
90 Partners

11,000 Suppliers

33,000 Learners
To create learning materials to equip an industry adopting Modern Methods of Construction
<table>
<thead>
<tr>
<th>Category/Attribute</th>
<th>Potential Improvement over Conventional Construction</th>
<th>Societal Benefit</th>
<th>Financial Benefit to Builder/Developer</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SOCIAL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Health &amp; Safety</td>
<td>Up to 80%</td>
<td>Large</td>
<td>N/A</td>
</tr>
<tr>
<td>Improved Working Conditions</td>
<td>Significant</td>
<td>Significant</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>ENVIRONMENTAL</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reduced Road Traffic Movements</td>
<td>Up to 60%</td>
<td>Significant</td>
<td>Small</td>
</tr>
<tr>
<td>Reduced Energy Used on Site</td>
<td>Up to 80%</td>
<td>Small</td>
<td>Small</td>
</tr>
<tr>
<td>Reduced Waste</td>
<td>Up to 90%</td>
<td>Significant</td>
<td>Significant</td>
</tr>
<tr>
<td>Reduced Energy-in-Use</td>
<td>Up to 25%</td>
<td>Significant</td>
<td>Small</td>
</tr>
<tr>
<td><strong>ECONOMIC</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faster Construction</td>
<td>Up to 60%</td>
<td>Significant</td>
<td>Large</td>
</tr>
<tr>
<td>Improved cash-Flow</td>
<td>Significant</td>
<td>Small</td>
<td>Large</td>
</tr>
<tr>
<td>Reduced Snagging &amp; Defects</td>
<td>Up to 80%</td>
<td>Small</td>
<td>Significant</td>
</tr>
</tbody>
</table>
Content for industry
Industry engagement

Content for colleges
Train the trainer
Project Management

Accreditation
Alignment to standards
Quality control
Academic engagement

The Consortium
OUTPUTS FROM THE PROJECT

- Slide Decks and supplementary materials for trainers
- E-learning modules
- ‘Train the Trainer’
- Update of existing SCSC website resources
Sustainability Impact 2019

- **34%** reduced carbon emissions
  - 58% agree the School helped achieve this

- **41%** reduced waste
  - 65% agree the School helped achieve this

- **71%** increased modern slavery understanding
  - 86% agree the School helped achieve this

- **64%** increased understanding of FIR
  - 87% agree the School helped achieve this

- **45%** increased community engagement
  - 72% agree the School helped achieve this

- **50%** increased understanding of responsible sourcing
  - 77% agree the School helped achieve this

- **36%** increased apprentice numbers
  - 42% agree the School helped achieve this

- **20%** improved air quality
  - 69% agree the School helped achieve this

- **16%** reduced water consumption
  - 53% agree the School helped achieve this
Thank you

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