BUILD UP Skills CrossCraft
Qualification scheme for cross craft trainings of professionals in the construction industry
Austria
Based on the key findings of BUILD UP Skills Austria the following new courses were developed, implemented and evaluated during BUILD UP Skills CrossCraft:

**CrossCraft training on construction site – on-site training (duration: 3 to 4 hours)**
Short on-site trainings based on „frequently made mistakes“ inline with the implementation of a blower a door test.

**Basic CrossCraft module – off-site training (duration: 16 hours / two days)**
- Understanding of the importance of low-energy building standards
- Better understanding of the interaction of crafts
- Avoiding poor workmanship and its impacts

**Advanced training modules – off-site trainings (duration: 8 hours / one day)**
- Techniques for renovation of old buildings
- Installation of renewable energy systems

**Compact CrossCraft module – off-site training (duration: 32 hours / four days)**
Content of the Basic CrossCraft module
+ Techniques for renovation of old buildings
+ Installation of renewable energy systems

**On-site Quality Coach training – off-site training (duration: 24 hours / three days)**
Focus: cross-craft understanding, quality assurance in terms of internal and legal aspects. To guarantee the implementation of high quality constructions.
The airtight envelop is an essential part of Nearly Zero Emission Buildings. Frequently made mistakes can be easily shown up by the implementation of a blower door test.

The blower door test is a key element of the developed CrossCraft modules.
On-site CrossCraft module

Process steps

**Step 1** – Preparation of the blower door test.

**Step 2** – Checking penetrations.

**Step 3** – Explore the leaks and discussions about the possible causes and how to seal them.

**Step 4** – Presenting and discussing the types of plugs and sealing materials.
## Implementation of pilot courses

### Final status

<table>
<thead>
<tr>
<th>Module</th>
<th>Aim of the project</th>
<th>Performed</th>
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<tbody>
<tr>
<td>On-site CrossCraft Module</td>
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<td>Duration: 3 to 4 hours</td>
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<tr>
<td>Basic CrossCraft Module</td>
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<td>Advanced Modules</td>
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<tr>
<td>Duration: 8 hours</td>
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<tr>
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<td>2</td>
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<tr>
<td>Duration: 32 hours</td>
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<tr>
<td>Quality Coach Trainings</td>
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<td>3</td>
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<td>Duration: 24 hours</td>
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<td>Total</td>
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</table>

Mission accomplished

20/06/16
Participants of pilot courses
Concrete numbers

<table>
<thead>
<tr>
<th>Course</th>
<th>Total</th>
<th>Min</th>
<th>Max</th>
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<tbody>
<tr>
<td>On-site CrossCraft Module</td>
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<td>Basic CrossCraft Module - 2 days</td>
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<td>Quality Coach Training</td>
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<tr>
<td>Compact CrossCraft Module - 4 days</td>
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<td>16</td>
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<tr>
<td>Installation of renewable energy systems</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Techniques for renovation of old buildings</td>
<td>11</td>
<td>11</td>
<td>11</td>
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</tbody>
</table>
Challenges

- Strong market demand existed only for the short on-site trainings.
- The implementation of the two to four days off-site trainings proved to be exceptionally difficult all over Austria.
- A large number of already advertised courses had to be cancelled due to a lack of registrations.

Reasons

- The impacts of the economic crisis on the Austrian construction sector.
- Right now the construction sector is a very sensitive market.
- Construction companies reduce their fixed employees to a minimum (to reduce fixed costs). → SMEs are less likely to allow their workers to attend further training courses as they need them continuously on-site.
Success stories & lessons learned

Success story
The short on-site trainings have a strong market demand. 10 on-site trainings could be implemented easily.

Lesson learned
- The successful implementation of the two day CrossCraft training modules based on the “direct marketing” of the new trainings by strengthening bilateral exchanges with the SMEs.
Partners & contact

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