



# MORE-CONNECT project newsletter

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ISSUE #7 CZECH EXPERIMENTAL RLLL

## Development and advanced prefabrication of innovative, multifunctional building envelope elements for MODular RETrofitting and CONNECTIONs

by MORE-CONNECT team

[www.more-connect.eu](http://www.more-connect.eu)

- retrofitting technology and the components for buildings' renovation in five geo-clusters across Europe: Portugal, Netherlands, Denmark, Czechia, Estonia and Latvia.

### Czech Real Life Learning Lab Experimental Installation

Czech pilot building is masonry residential house with a lateral bearing system. The house has a wooden roof structure with ceramic tiles, house is partly provided with cellar. The building has simple, rectangular floor plan. It has three floors with similarly designed flats. The house has a hip roof with a number of chimneys.

All the main details of the original pilot building were transformed into experimental Real Life Learning Lab (RLLL) setup (Figure 1), that has been created at University Centre of Energy Efficient Buildings of Czech Technical University in Prague (UCEEB) during spring 2018 by UCEEB together with RD Rýmařov, a.s.

The installation of the modules was performed during one working day on 28<sup>th</sup> March 2018. Finalization of interiors, surfaces and other finishings are being done in present times along with production documentation review process.

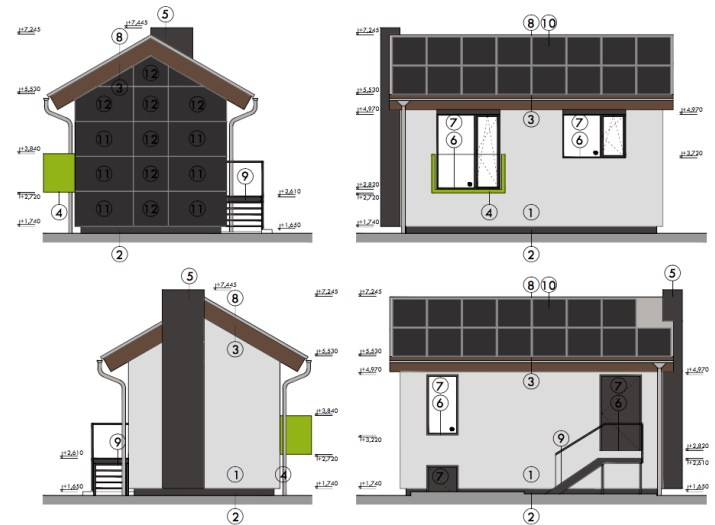


Figure 2. Planned final form of installation



Figure 1. Original pilot building in the left and the mock-up house built up for the RLLL setup



Figure 3. Prefabricated modules in the RD Rýmařov factory before finishing the final plaster layers

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Figure 4. Installation: 6 a.m.: Prepared anchors on the simulated original building's façade. Unloading the first modules



Figure 5. Installation of modules (8 a.m.)



Figure 6. HVAC connections between the modules (11 a.m.)



Figure 7. Integrated wall module placement (noon)



Figure 8. Placement of roof modules (4 p.m.)



Figure 9. Mountage of additional balcony (7 p.m.)



Figure 10. End of installation (8 p.m.)

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