

## Luxembourg - Neobuild

<b>Title of inspiring practice</b>	Neobuild (in partnership with the Training Institute Sectoral Building - IFSB S.A.) ( <i>"Institut de Formation Sectoriel du Bâtiment"</i> )
<b>Geographical area</b>	The initiative is implemented at national level in Luxembourg, Bettembourg.
<b>Period of implementation</b>	The IFSB was founded in 2002 and implemented in a sustainable manner.
<b>Rationale</b>	<p>Faced with a world that has become aware of the limited natural resources at its disposal, which observes with suspicion the growing impact of human activity on its environment and which is wary of hollow promises of technological progress, Neobuild adopts a transparent approach, responsible and collaborative, to realise and enhance the potential contribution of sustainable construction to our daily lives.</p> <p>From sustainable construction to energy efficiency, including the use of construction equipment and lifting and handling equipment, safety and management, the training courses, in partnership with IFSB, incorporate the best techniques, the latest equipment and a modern teaching method based on action and virtual simulation.</p> <p>The training programmes of Neobuild in partnership with the IFSB are excellent examples of how to train the next generations in sustainable construction, by giving them access to the most modern training facilities. It showcases the importance of constantly adapting to the newest findings in sustainable building, and how to apply those.</p> <p>Thanks to an innovative and responsible pedagogy as well as an approach based on practice, the IFSB has established itself as a key player in the evolution and revitalisation of the construction sector, its techniques and its professions.</p> <p>The IFSB offers companies complete, cross-disciplinary, initial and continuing training courses, with a business focus, integrating digital teaching methods. The aim is to demonstrate that new technologies can be used for a new, more interactive and more dynamic form of learning, where people remain the main actors in these developments.</p>
<b>Scope of the practice</b>	Continuing Vocational Education and Training.
<b>Educational level</b>	Not specified.
<b>Introduction and context</b>	<p>The key stakeholders involved in the initiative are the Neobuild S.A. (national agency), the IFSB - Institut de Formation Sectoriel du Bâtiment ("Training Institute Sectoral Building", national agency), LIST - Luxembourg Institute of Science and Technology, Association Royale des Ingénieurs industriels diplômés de HELMo Gramme (Institut Gramme) (national agency), Ministère de l'Economie (Ministry of the Economy), Université du Luxembourg (University of Luxembourg)</p> <p>By observing ethical standards reflecting the values of sustainability, Neobuild tries to support Luxembourg companies in their quest to create value, while respecting the interests of the community and future generations.</p> <p>Neobuild has built a real laboratory integrating more than 100 different materials, products and systems. This 2200 m<sup>2</sup> zero-energy building, located in Bettembourg, offers many possibilities for monitoring and testing in real life.</p> <p>Neobuild's objective is to innovate together to enhance the value of sustainable construction on a daily basis.</p> <p>Neobuild is the first and only Technological Innovation Centre for Sustainable</p>

	<p>Construction in Luxembourg. By adopting a business approach, Neobuild supports and facilitates innovation, with a view to enhancing the long-term benefits for the Luxembourg economy.</p> <p>Neobuild offers support for project leaders of the construction sector.</p>
<b>Key activities and outcomes</b>	<p>In its role as a global technological innovation centre for the sector, Neobuild is positioned both upstream of the value chain by stimulating debate through research, technology transfer and the dissemination of current information, and downstream by creating a network of experts and partners capable of intervening specifically on innovation projects.</p> <p>Neobuild puts all its technical, technological and human resources at the disposal of sustainable construction players to successfully develop relevant and viable projects together.</p> <p>These projects evolve around innovative training on <b>digitalisation</b>, or the continuous improvement of skills through projects such as “CONSTRUCEC”, “FORMIN” or “LEARN AVENIR”. Other activities concern the future generations, such as the "Building Generation" project which aims at bringing young people closer to the world of work and providing companies with a young and qualified workforce to revitalise the sector. Further activities are <b>international projects</b>, <b>sustainable professional reintegration</b>, <b>safety and health at work</b>, and <b>support for employment and innovation</b>.</p> <p>The building is a complementary tool for members to observe and analyse the behaviour of innovations in real conditions.</p> <p>Currently being tested are various plasters, insulation materials, different types of triple glazing, wood-cement or straw facades and even vacuum insulated pre-walls</p>
<b>Contacts and sources</b>	<p><b>Service: Training – IFSB</b></p> <p><a href="https://www.ifsb.lu/contact@ifsb.lu">https://www.ifsb.lu/contact@ifsb.lu</a></p> <p><b>Neobuild SA</b></p> <p><a href="https://www.neobuild.lu">https://www.neobuild.lu</a></p> <p><a href="https://www.lifelong-learning.lu/Formateur/institut-de-formation-sectoriel-du-batiment/en">https://www.lifelong-learning.lu/Formateur/institut-de-formation-sectoriel-du-batiment/en</a></p>
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