



2-day DGNB Registered Professional Course / English /

Time:	2-day training course, March, 2023 10:00-17:00
Place:	CMB Inženieru kompetences centrs, Ventspils street 48, Riga
Trainer:	Dr.-Ing. Stephan Anders
Price:	450 EUR excl. VAT
Qualification points:	LBS BSSI – up to 20 points
Additional / Optional	Qualification Exam: Participants of the DGNB Registered Professional Training course are entitled, but not obligated, to take the exam. However, passing the exam is mandatory to obtain the official title as an international DGNB Registered Professional. Exam fee 110 EUR excl. VAT (additional to course price).

General description:

The DGNB Registered Professional training provides professionals with knowledge on sustainable planning and building. The training focuses on the relevant fields of action which can be undertaken by professionals in the construction industry in order to plan & build more sustainably, from topics at district level down to building material level in the building.

Topics

- 1. Introduction to sustainability:** Holistic approach and clear arguments of the DGNB certification system approach. A clear definition of the term as well as approaches and sustainability models.
- 2. Assess sustainability:** Insight in the Green Building Councils and existing certification system approaches of planning and measurements of the sustainability of buildings and districts.
- 3. Conservation of resources:** Tackling of the global resource saving potential, consumption of space and energy through intelligent planning. Rethinking of the material flows and cycles.
- 4. Environmental protection and climate adaptation:** Methods to maintain or promote the natural water cycle and biodiversity through sustainable construction, contribution to the climate adaptation and resilience of the buildings and cities.
- 5. Holistic planning and building:** The dependencies of the different planning areas and the synergetic effects of planning interventions.
- 6. Design and social aspects:** Building culture, design quality, sensitive handling of the environment and resources in planning approaches. Social and functional mix to ensure sustainability of buildings and districts.

7. Health and user satisfaction: Interior quality of the sustainable building – high quality of stay, thermal, acoustic and visual comfort.

8. Pollutants and hazardous substances: The avoidance of sources of pollutants over the life cycle of a building, from the extraction of raw materials to demolition. Principles of the selection of materials and construction methods.

9. Life cycle-oriented planning: Concept of building durability – what is planned and built today should last and have value in the long term. Fundamental aspects of sustainable planning and building – flexibility and the ability to change uses as well as the ability to dismantle and recycle.

10. Life cycle assessment (LCA): Assessment of the environmental impact over the entire life cycle. An overview of the structure of the LCA and sources for the relevant information.

11. Life cycle costs (LCC): The life cycle cost calculation serves as a basis for investment decisions and shows the profitability of a building. Insight into LCA's methodology and adjustment methods, as well as suitable tools.

12. Integrated planning and sustainable building operation: Extensive stakeholder involvement from the early project plan stage to the monitoring and corrections of the end user habits.

Lector



Dr.-Ing. Stephan Anders

Stephan Anders studied architecture and urban planning at the University of Stuttgart and the ETH Zurich.

From 2009 to 2015 he was an assistant professor and doctoral candidate at the institute for urban design at the university of Stuttgart. The focus in teaching and research were sustainable cities and districts. In 2016 he published his dissertation with the title "city as a system: method of holistic analysis of planning concepts".

Since 2012, he has been working for the German Sustainable Building Council. V. (DGNB), Europe biggest network for sustainable building. There he initially oversaw the system development and the international application of the certification systems for sustainable districts and industrial locations, as well as the training to become a DGNB auditor and the DGNB university cooperation.

From 2017 to 2022 he was the director of the DGNB certification department, whose core task is the national and international application of the DGNB certification system and the (further) development of new system variants.

At the same time, he was from 2015 to 2022 lecturer for energy efficient urban planning at the University of Applied Sciences Stuttgart.

Since 2022 he is the director of the network & consulting department at the DGNB. The aim of the newly founded department is to advise municipalities and companies on their way to sustainability and climate neutrality, to design offers for the members of the DGNB and to develop new products and services.