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DGNB International protocol for sustainable buildings

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Međunarodni DGNB protokol održive gradnje pokriva sve aspekte realizacije objekata: projektovanje, procenu i sertifikaciju održivih zgrada i urbanih područja.

Zasniva se na sveobuhvatnom pristupu građenoj sredini uzimajući u obzir celokupni vek zgrade i posmatrajući karakteristike kroz šest aspekata: životna sredina, ekonomija, društveno-kulturni i funkcionalni aspekt, tehnologija, procedure i građevinska parcela i gradilište.

DGNB se zasniva na evropskom zakonodavstvu, standardima i tehničkim procedurama. Međutim, DGNB se ne prilagođava samo zemljama evropskih zemalja već i širom sveta i već je adaptiran za Austriju, Brazil, Bugarsku, Dansku, Kinu, Mađarsku, Nemačku, Tajland, Ukrajinu i Švajcarsku.

O Aleksandru Rudolfiju

Aleksandar Rudolphi je bio prvi predsednik Nemačkog saveta za održivu gradnju i danas je u Bordu direktora DGNB-a. Studirao je građevinarstvo u Darmštatu i Berlinu, zatim, nakon nekoliko godina rada u sopstvenoj firmi započeo bavio se istraživačkim radom i predavanjem u centru u Berlinu.

Godine 1995, postao je suosnivač i direktor Društva za održivu gradnju u Berlinu. Prof. Rudolphi radi kao konsultant za optimizaciju građevinskih elemenata u skladu sa principima zaštite životne sredine, i kao konsultant za osiguranje na brojnim privatnim i javnim projektima velikih zgrada.

Učestvuje u nekoliko istraživačkih projekata u vezi sa razvojem procedura za procenu održivosti građevina, određivanjem kvaliteta konstrukcije i materijala, kao i u vezi sa razvojem procedura za sertifikaciju. Autor je EcoLabel standarda za izuzetnu održivost objekta za grad Hamburg. Profesor je na Koledžu za održivi razvoj HNE Ebersvald. Autor je brojnih publikacija za profesionalce o održivosti gradnje, proceni materijala i kvaliteta unutrašnjeg vazduha. Od januara 2011. godine prof. Rudolphi radi kao Menadžer poslovnice kompanije Arcadis za Nemačku.



The DGNB System is a transparent and user-friendly tool for the planning, assessment, and certification of sustainable buildings and city districts. It offers a comprehensive quality concept and is based on a holistic view of our built environment. It considers a building's entire lifecycle and makes a balanced evaluation of six different areas: environmental aspects, economic aspects, sociocultural and functional aspects, technology, processes, and the building site.

The DGNB System defines clear (and achievable) sustainability targets that can already be used in the planning phase to optimize the respective design. It is based on a strong community of players from all sectors of the construction and real estate industry as well as from academia. Interdisciplinary committees and a neutral review process ensure high quality as well as a comprehensive expertise. In this way, the DGNB System is continually updated and expanded.

The DGNB System is based on European laws, standards, and technical guidelines. Thus it is perfectly suited for a direct use in many countries. However, the in-built flexibility of the DGNB Certification System also allows its easy adaptation to countries with varying climatic, cultural, legal, and technical conditions. National and regional characteristics can thus be taken into account, while international comparability is maintained. The DGNB System has already been adapted or is currently being adapted to countries such as Austria, Brazil, Bulgaria, China, Denmark, Germany, Hungary, Switzerland, Thailand and Ukraine.

About Alexander Rudolphi

Alexander Rudolphi was the founding President of DGNB and now he is member of DGNB Board of directors. He studied construction engineering at the University of Darmstadt and Berlin. After having worked in his own engineering firm for several years, he worked in research and teaching at the public Zentrum für Bau- und Erhaltungstechnik e.V. in Berlin. In 1995, he was a co-founder and the managing director of the Gesellschaft für ökologische Bautechnik Berlin mbH. Prof. Ing. Alexander Rudolphi functions as a consultant for the environmentally friendly optimization of building components and as quality assurance consultant in numerous public and private large building projects.

He participates in several research projects with assessment procedures regarding sustainable construction and regarding the quality detection of constructions and materials as well as regarding the development of certification procedures. Author of the EcoLabel for exemplary sustainable construction for the HafenCity Hamburg. Professor at the College of sustainable development HNE Eberswalde. Co-founder and founding president of the German Sustainable Building Council DGNB. Various professional publications on sustainable construction, the material assessment and indoor air quality. Since 1 January 2011 is Professor Rudolphi Business Unit Manager of Arcadis Germany division GFÖB in Berlin.

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