



February 2016

Around commissions

TG93 Building Zero Energy Settlements New Commission

New commission TG93

The CIB board established a new Commission: TG93 Building Zero Energy Settlements. The Commission has a mandate until the middle of 2019.

The commission will be coordinated by Prof Dr Thomas Bock of the Technical University München, Germany, and Prof Mattheos Santamouris of the National and Kapodistrian University of Athens, Greece.

Objectives

The realization of zero (or near zero) energy settlements requires the development and implementation of comprehensive and at the same time affordable and sustainable new technologies and practices - also under the consideration of the optimization of offsite production and onsite assembly activities.

Based on this the objectives of TG93 are:

- to identify and develop research and industry practices that focus on integrated methods that enable innovative solutions for zero energy buildings and settlements
- to stimulate international cooperation and information dissemination in support of technology deployment for zero energy buildings and settlements.

Areas of attention

Areas of attention within the Commission scope, as related to the processes of planning, design, construction and use of zero energy buildings and settlements, include: policies on zero energy buildings and settlements, design methodologies, advanced customized building production, assembly and maintenance methods, IT integrated Sustainable Construction and business models for the realization and use of zero energy buildings and settlement.

As concerns the buildings and settlements themselves areas of attention include: energy harvesting systems, ambient assisted living technologies, building monitoring and control systems, closed loop recycling of systems and components and smart grid system integration.

Work program

The Commission's work program include:

- annual international workshops
- publications - to be presented at the 2019 CIB World Building Congress

Deliverables

- 2016: establishment of a designated Commission website
- annual workshops in conjunction with CIB and IAARC conferences, with a final workshop in 2019 as part of the CIB World Building Congress
- 2019: Publication of a handbook on Building Zero Energy Settlements
- 2019: Publication of a Research Roadmap on Building Zero Energy Settlements

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