

Green Code

The innovative building system for sustainable buildings

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GY::DER



Challenge



Safety

An aerial, black and white photograph of a large-scale construction site. The image shows several multi-story buildings under construction, with extensive scaffolding and structural elements visible. A large crane is positioned in the middle ground, and the ground is cluttered with construction materials and debris. The overall scene depicts a busy and active building project.

Capital



Time



Workforce



Ecology

The Green Code building system provides answers to the 5 central questions

1. How do we build safely?
2. How do we build cost-efficiently?
3. How do we build faster?
4. How do we build with less labour?
5. How do we build sustainably?

The building system Green Code



Individually planned, industrially produced

Green Code is a building system for individually designed, sustainable buildings made of concrete.

System components are industrially produced prefabricated concrete parts, activated with technical components:

STATICS

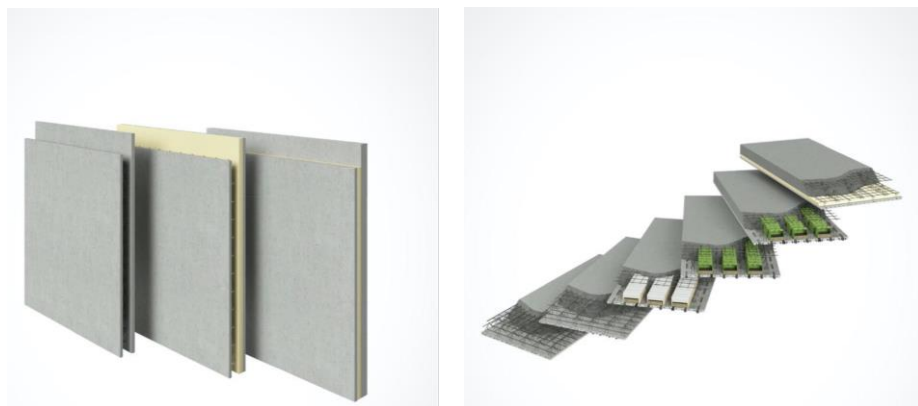
INSULATION

CLIMATE – AIR – LIGHT – ACOUSTICS

Ideal for project developers, planners and operators

Industrially produced Green Code® system
components:

- Slab systems
- Wall systems
- Integrated components



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Building safely with Green Code

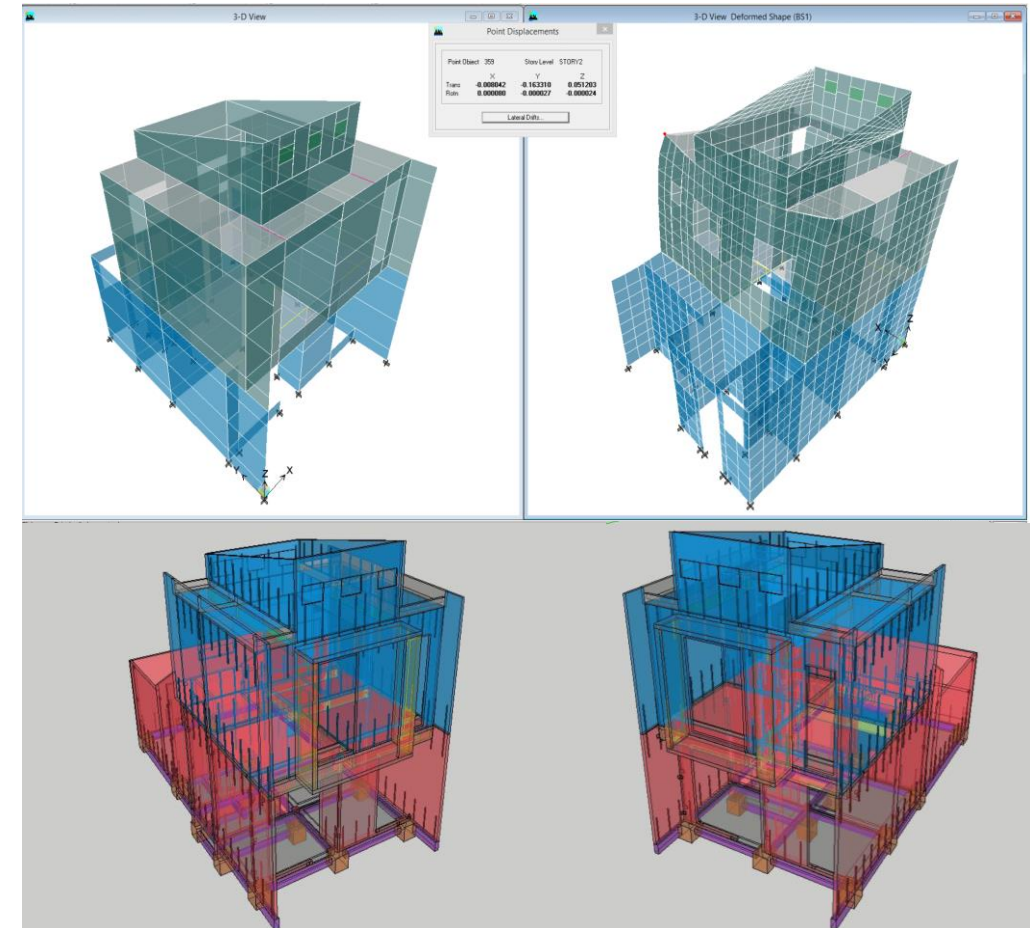
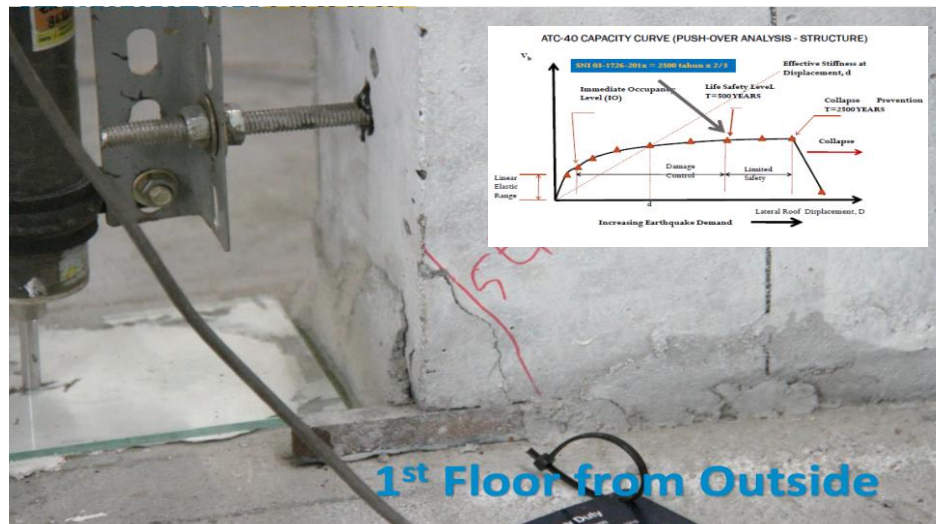


Building safely with concrete

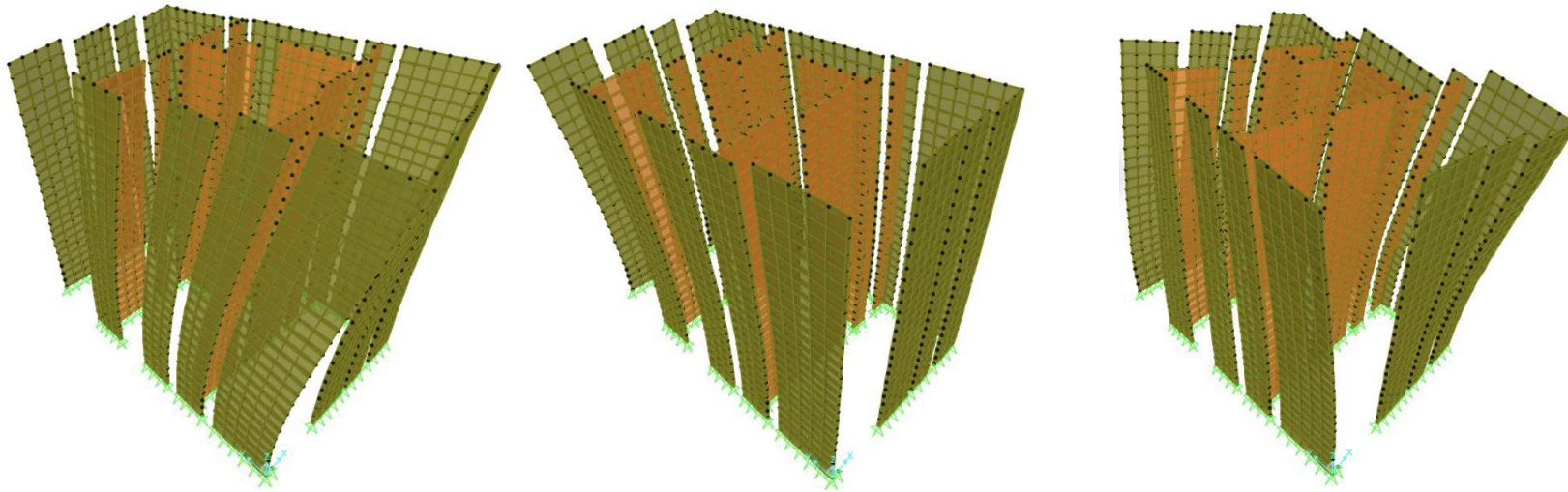
- durable and resistant
- Waterproof
- fire resistant
- soundproof

Green Code provides tested seismic stability

- Highly successful testing of buildings designed for earthquake-prone areas



Green Code buildings are tested for seismic stability



Prof. Ing. Massimiliano Bocciarelli Dipartimento di Architettura, Ingegneria delle costruzioni e Ambiente costruito Politecnico di Milano

Seismic advantages over pure cast-in-place concrete

1. Higher quality and better resource optimization through industrial production right from the start.
2. Advantageous design of standards.
3. Elasticity plus stability.

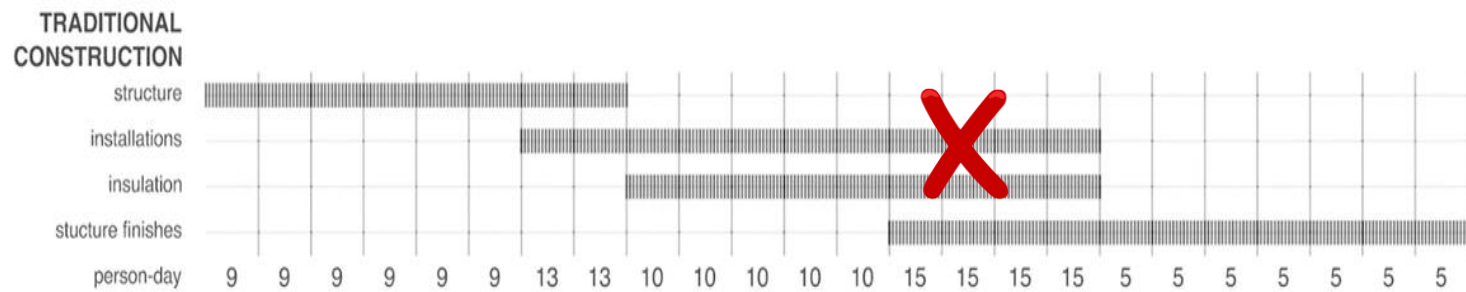
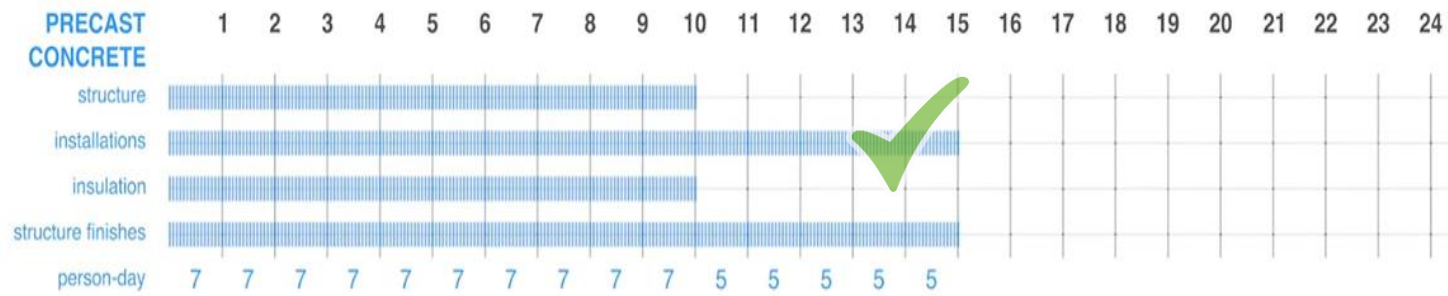


A modern, multi-story apartment building is shown under construction. The building has a light-colored facade and large windows. In the foreground, there is a construction site with a yellow excavator, a blue container, and stacks of concrete blocks. The sky is blue with a few white clouds. The text "green CODE" is visible in the top left corner.

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**Build cost-efficiently and
quickly with Green Code**

Up to 40% shorter construction times thanks to industrial prefabrication



Saving costs during construction and operation

- 15% less energy costs during construction.
- 35% less energy required for operation.
- At least 20% less total costs (investment, maintenance, energy) after 10 years of use.

Housing can be created quickly and economically.



Green Code needs less personnel on the construction site



60% less personnel on the construction site

The construction site becomes an assembly site with better and safer working conditions.

Relocation of work to the planning office and production hall.

Shift operation possible: fast /safe /free from environmental influences.

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An aerial photograph of a modern, multi-story building with a curved, dark facade and large glass windows. The building features a green roof with a winding path and a small pool. The surrounding area includes a vineyard, a forested hillside, and a residential area in the distance. A green square logo with the text 'green CODE' is in the top left corner.

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Green Code buildings are
sustainable

Green Code buildings are environmentally sustainable



- Green Code buildings are part of the circular economy and thus resources of tomorrow.
- Less waste through optimization in planning and production
- Longer useful life, repurposing if necessary
- Low carbon footprint during construction and service life





Green Code buildings are socially sustainable

- Affordable building and living is possible
- Excellent indoor climate - where people like to live and work.

Decke
26 °C

Decke
26 °C

Wand
24 °C

Raumtemperatur
gefühl
23 °C

Fenster
20 °C

Fußboden
24 °C

Sofa
24 °C

Thousands of realized Green Code projects International

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Made with concrete. Sustainable buildings.

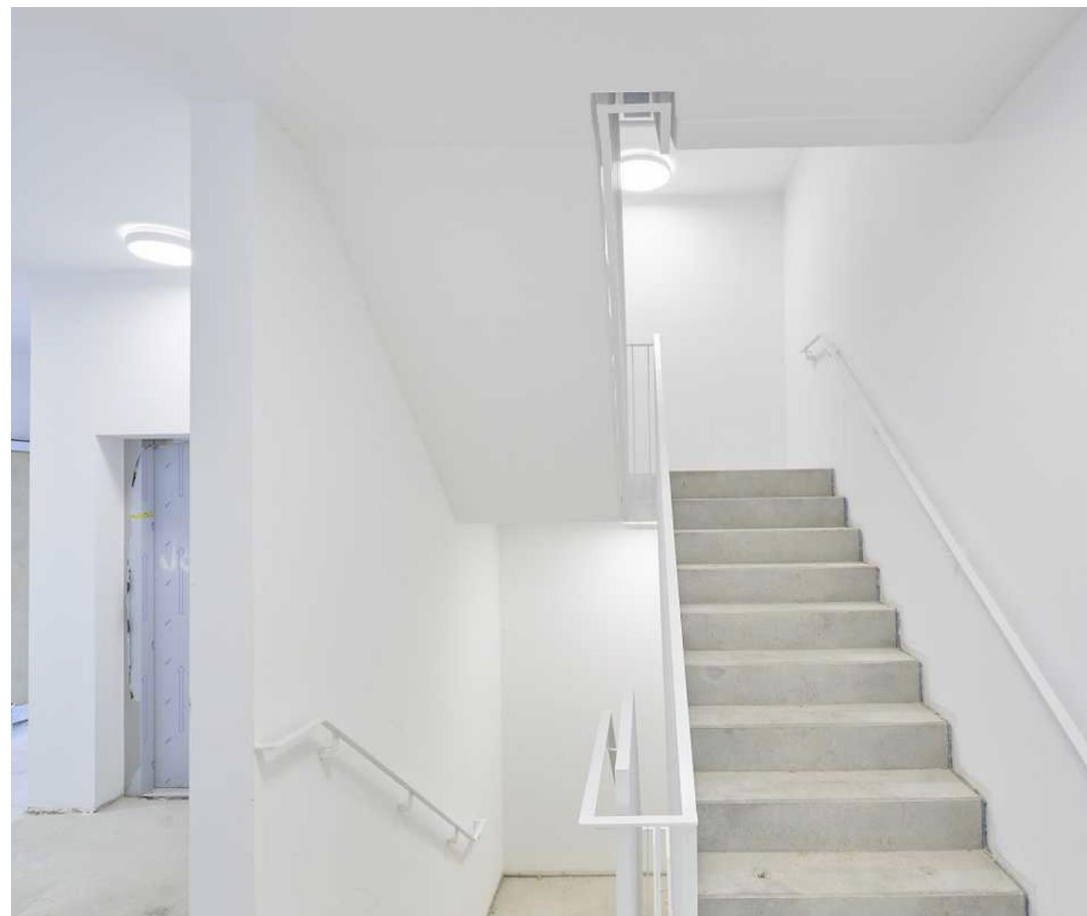




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Talk to us about your project

We are happy to share our knowledge and advise you.

