CREE Buildings

THE FUTURE OF BUILDING.

Family-owned and operated businesses with more than **230 years** of experience combined.

RHOMBERG

ZECH GROUP

CASAIS

Hubert Rhomberg, Founder and CEO of CREE Buildings and Antonio Carlos Rodrigues, CEO of Grupo Casais and Shareholder.

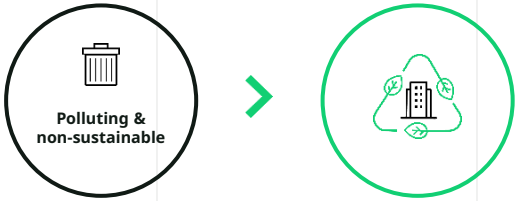
About CREE

CREE Buildings is an international construction collective for regenerative building solutions.

A Growing Global Presence

Our Motivation

CREE Way

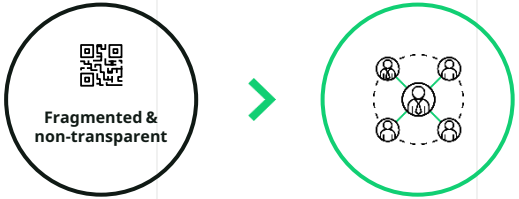


Sustainable Timber/Hybrid Buildings

- Ecological footprint with wood as focus component saving resources
- Health, well-being, hygiene, & safety
- Life cycle perspective and flexible floor space for changeability

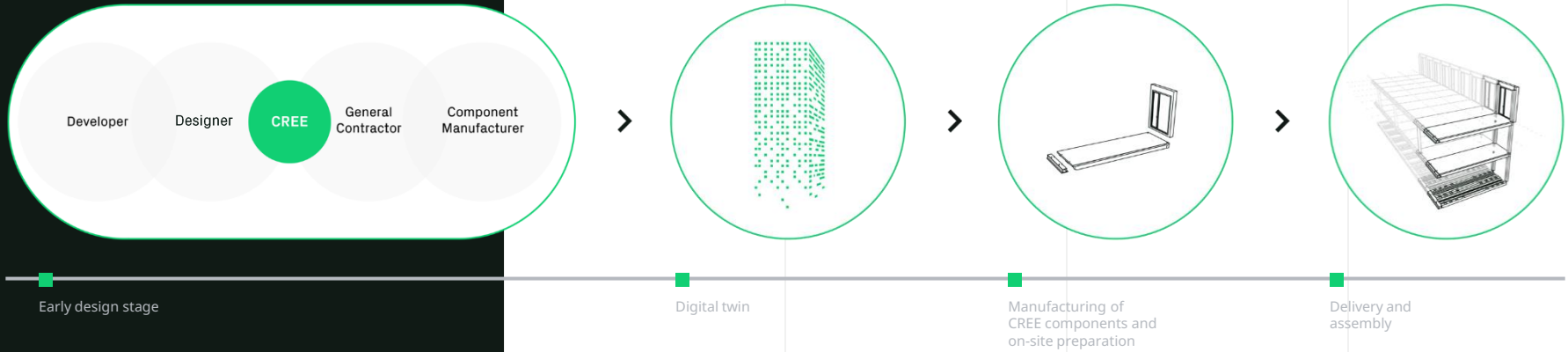
Efficient Modular Pre-Fabrication

- “Construction as a service” workflow → fast, reliable, & repeatable results
- Off-site modular pre-fabrication
- Digital twins and BIM



Scalable Network / Platform

- Marketplace for pre-approved components, products and services
- User-driven collaborative network that collects and shares best practices
- Efficient communication tool



Early engagement of CREE and early involvement of all stakeholders, leads to real efficiency.

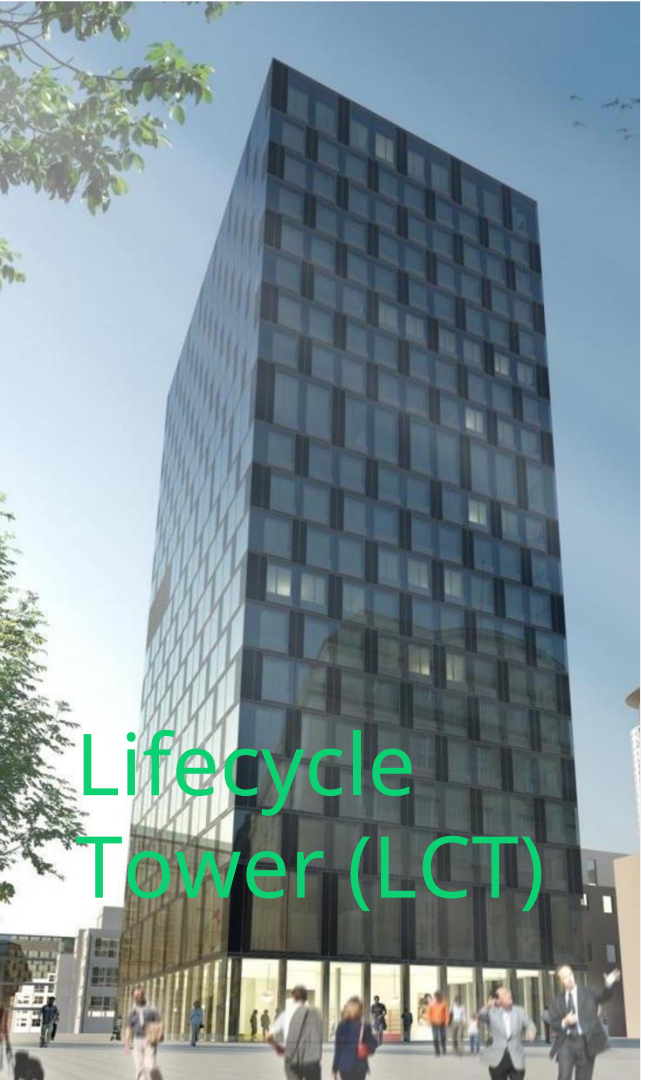
CREE Process

"We meet the project team **early**

We **shape** the design together"

CREE System

Refined timber-hybrid system for prefabricated building construction.



Lifecycle Tower (LCT)

- Timber-based construction method
- Industrialized off-site production + on-site assembly
- 2 hours fire resistance rating
- Multi-story and large volume building
- Most energy and resource efficient
- Minimized CO_2 emissions
- Approx. 220.000 m² completed
- Approx. 100.000 m² under construction

PAVUS, a.s.
AUTHORIZED BODY 216
NOTIFIED BODY 1391
Accredited certification body for product certification No. 3041

Branch: FIRE TESTING LABORATORY VESELÍ NAD LUŽNICÍ

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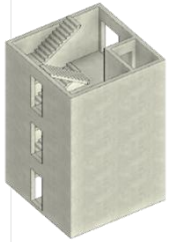
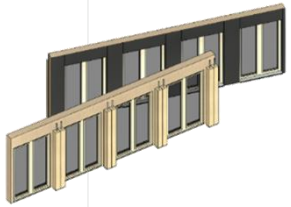
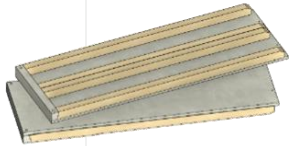
FIRE RESISTANCE CLASSIFICATION REPORT

4 Key Elements





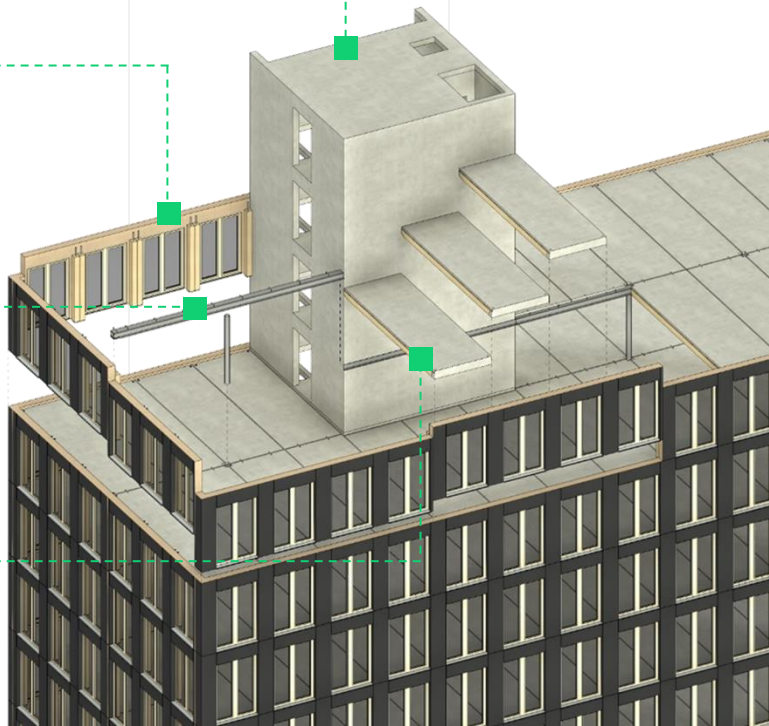


1 Bracing System / Core

2 Glulam Columns & Wall Elements

3 Middle Girders & Columns

4 Timber-Concrete Composite Slabs



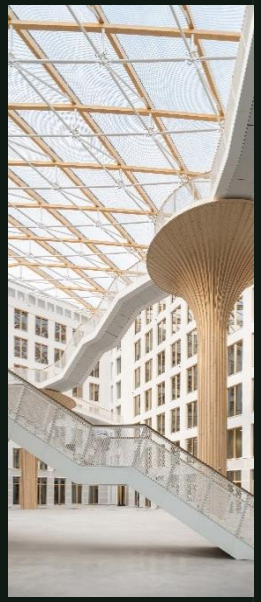
Exterior Wall Elements

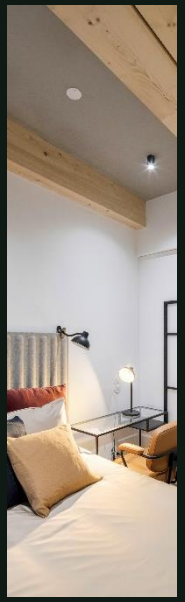
Timber-Concrete Composite Panel

VIDEO: LIFE CYCLE TOWER ONE

B&B HOTELS

SIEMENS





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THANK YOU.

Let‘s shape future together.