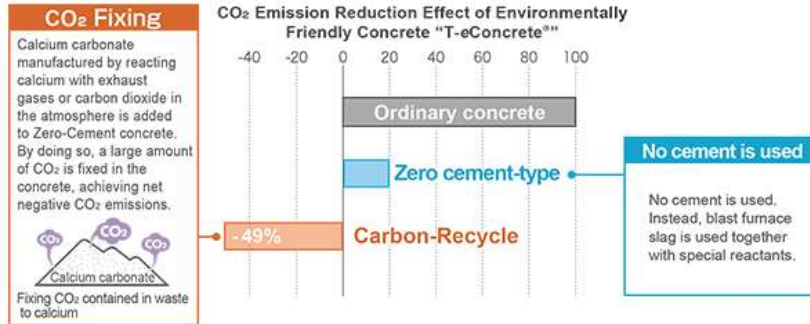


## Procurement Phase (Decarbonizing technologies)

### 1. "T-eConcrete® series" Environmentally Friendly Concrete

More than 90% of CO<sub>2</sub> associated with the concrete materials is emitted during the manufacture of Portland cement. "T-eConcrete®" realizes CO<sub>2</sub> emission reduction, or even net CO<sub>2</sub> emissions negative, by replacing some or all of the cement with industrial byproducts or carbon-recycled products.

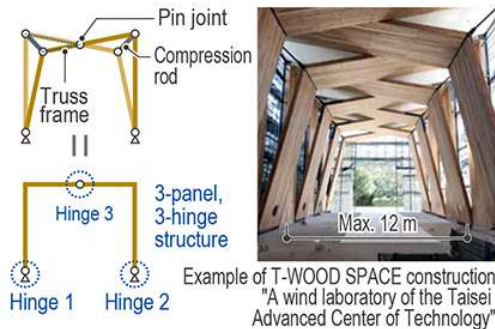


### 2. "T-WOOD® series" Wooden Construction

TAISEI is developing the "T-WOOD® series" as a technology for wooden architecture that satisfies the performance level and economical needs of modern architecture that can cover wide-ranging applications from new construction to renovation.

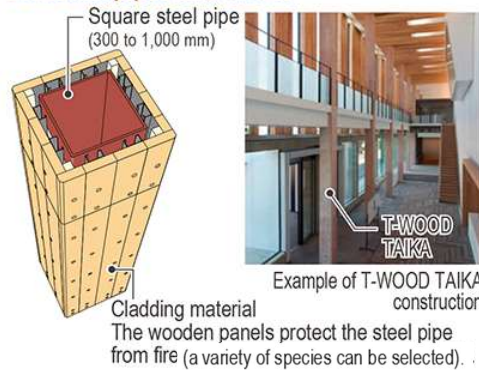
#### T-WOOD SPACE

Large space achieved with a CLT structure



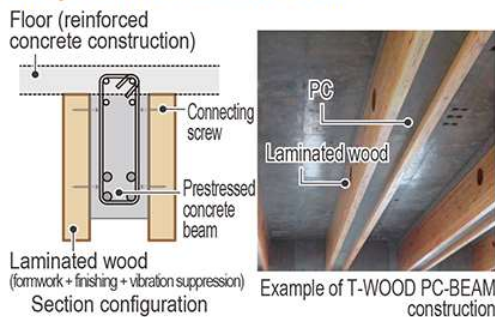
#### T-WOOD TAIKA

Hybrid quasi-fireproof column comprising with steel pipes and timber



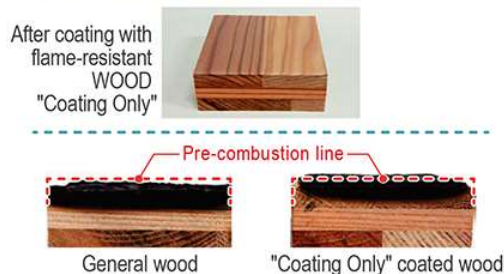
#### T-WOOD PC-BEAM

Hybrid beam integrating laminated wood and prestressed concrete beam



#### Flame-resistant WOOD "Coating Only"

Quasi-noncombustible coating



## Operation Phase

(Energy conserving technologies/ Energy generating technologies)

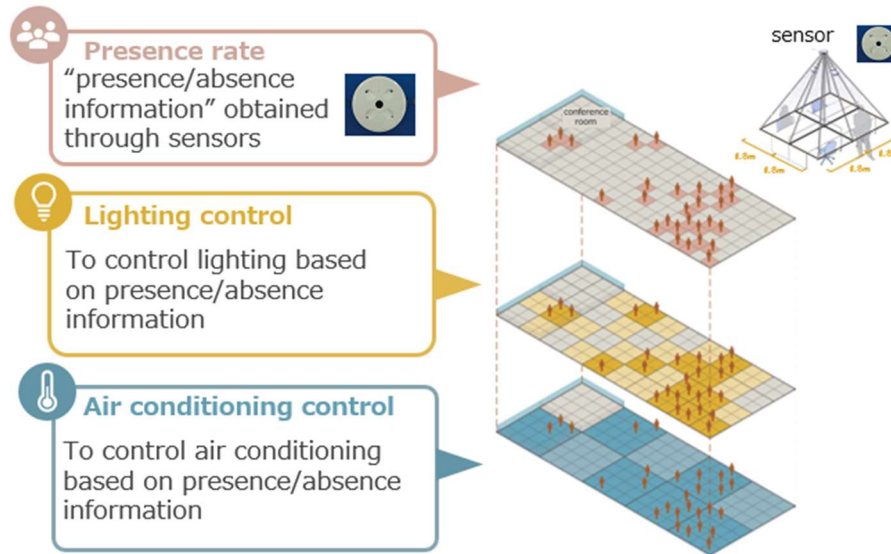
### 3. “T-Zone Saver®” Next-generation Human Detection Sensor for Power Saving and Energy Conservation



TAKAOKA TOKO CO., LTD.

Technology jointly developed with Takaoka Toko Co., Ltd.

- The “T-Zone Saver®” is developed and intended to control lighting and air conditioning with a single human detection sensor.
- It is the next-generation sensor to optimally control and manage lighting and air conditioning with presence and absence information obtained through the sensor and to achieve overall energy conservation.

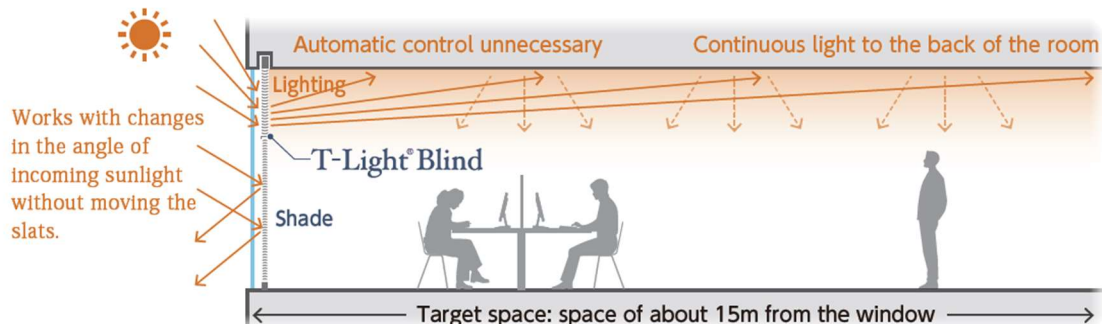


### 4. T-Light® Blind Creating a comfortable light environment while energy conservation



Technology jointly developed with Nichibei Co., Ltd.

A multifunctional blind system to be installed on a window consisting of a daylighting upper section with special slats to offer a high-quality lighting environment extending to the innermost part of the room and a light-shielding lower section similar to a conventional blind.





5. “T-Green® Multi-Solar” Multi-functional solar power system integrated with building exteriors (walls or windows) or balcony glass balustrade



Technology jointly developed with Kaneka Corporation

“T-Green® Multi Solar” can generate power not only on horizontal surfaces but on the vertical surfaces (both walls and windows) that are exposed to sunlight. It is the revolutionary exterior system which does not adversely affect the building appearance and improves the energy generation performance. It can also be used as an emergency power source in the event of a disaster.



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