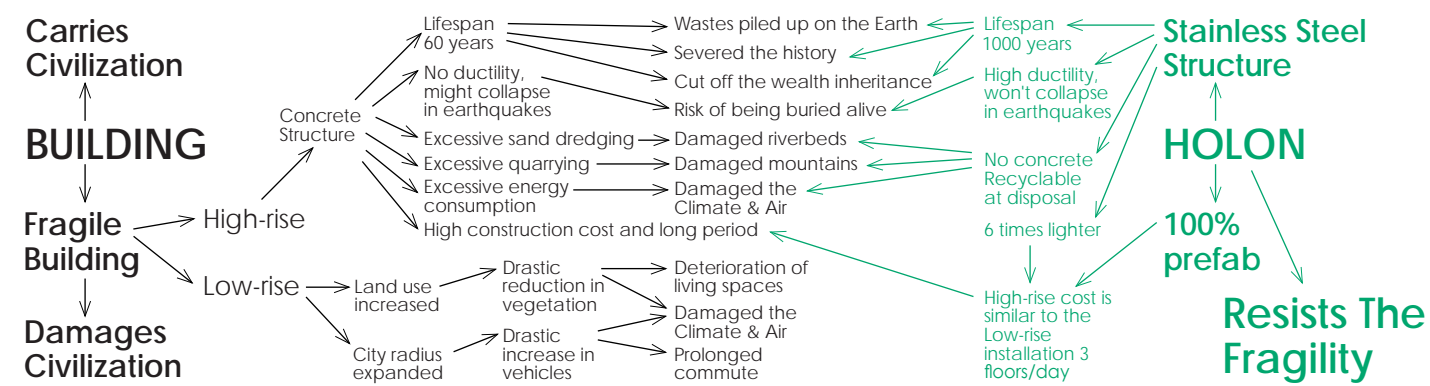


# HOLON PREFAB HOME

## Resists Civilizational Fragility



**BROAD HOLON**  
BROAD TOWN, Yuanda San Rd, Changsha, Hunan, China  
www.broad.com



**HI-TECH REALTY GROUP**  
111 North Bridge Road #06-20, Peninsula Plaza Singapore 179098  
www.htrworld.com  
Contact@htrworld.com

HTR Group owns the exclusive operating rights for the HOLON real estate projects in 60 major cities with 1M+ population in developed countries



Note: Scan the QR codes for more about HOLON Hi-Tech-Home



# HOLON : The World's Only Hi-Tech Building



## HOLON Won The Highest Awards In Global Architectural Technology —

Modular Building Institute (MBI)  
**Multi-family Category**  
**First Place Award**  
(2022)

Council on Tall Buildings and Urban Habitat (CTBUH)  
**Global Innovation Award**  
(2013, 2022)

### Hi-Tech Materials

Invented the ultra-strong & ultra-light  
"Stainless Steel Core Slab"  
10 times stronger than traditional materials

### No Concrete

Stainless steel structure 25%~45% ductility  
no worries about earthquakes  
(Concrete almost zero ductility)

### Protect resources, environment & life

Stainless steel is anti-corrosion lifespan  
≥ 1000 years  
Might be deformed at most but never  
collapse in earthquakes

### Hi-Tech Design

Invented expandable framing structure,  
shipped in 40-foot container size, yet the width  
of the room doubles that of the container

### 16-year R&D By 1,000+ teams

R&D investments over USD 1.1 billion  
(Conventional buildings only involve  
designs, no R&D)

### Tech Perfection Is Close To The Limit

Tens of thousands of materials tested and  
thousands of design trials & errors conducted  
16 times of technological iterations and  
proved by over 60 high-rise projects

### Hi-Tech Production

Selected components with the highest  
quality of the world  
Intelligent streamlined production

### 100% Factory-Prefabricated

Almost 100% consistency in quality for every  
material and every production process  
(Conventional buildings are fully constructed  
on-site, with uncontrollable quality)

### On-Site Installation 3 Floors Per Day

On-site installation only requires simple  
procedures such as module hoisting, bolting, etc.  
Controllable construction cost and schedule,  
addressing the industrial pain points

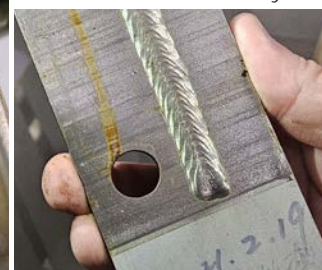
Original: Stainless steel core slab



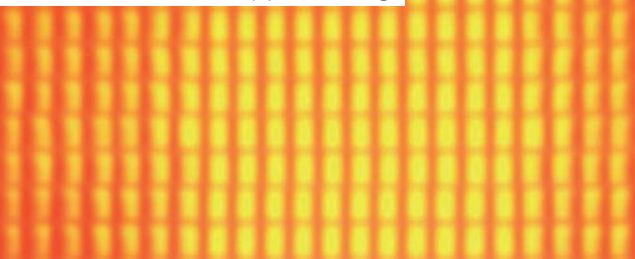
Fracture Test: Ductility ≥ 40%



Salt Spray Test (1 day equals 1 yr in the atmosphere):  
Stainless steel 1,467 days



1,100°C hot-wind copper brazing



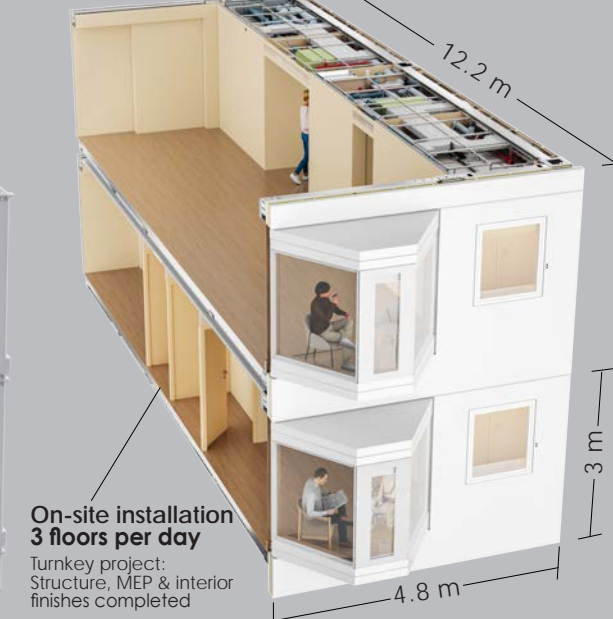
Produce 240m<sup>2</sup> core  
slabs each batch



Carbon steel  
30 days

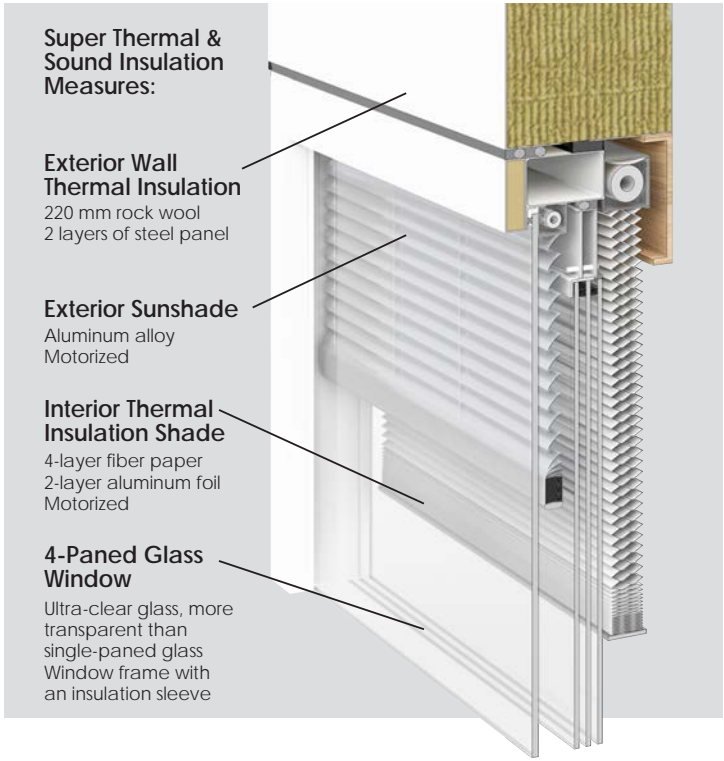


HOLON standard module





# HOLON : The World's Highest Comfort Standard



**Flexible Space**  
12mx4.8m column-free space  
Bay window in every bedroom

**Quiet Life**  
4-paned glass windows, 3-layer of floor slab & ceilings  
double-layer demising walls, double unit doors

**Healthy Air**  
100% fresh air, 99.9% PM 2.5 filtration  
All materials used are certified non-toxic

**Comfortable Temperature**  
Passive-house thermal insulation measures, ultra-energy-saving central AC & hot water systems  
Off-peak electricity water energy storage system

**Completely Freed From The Rigid Space Layout**  
Rooms feel spacious, even compact units don't feel oppressive  
Bay window provides 180° panoramic view and abundant sunlight

**Completely Blocked Out The City & The Neighboring Noises**  
Living in the city can be as quiet as living in a suburban villa  
The indoor AC & fresh air system are super quiet

**Completely Avoided The City & Indoor Pollution**  
Feels like living in a forest even living in a polluted city area  
Rooms stay dust-free even without cleaning for a month

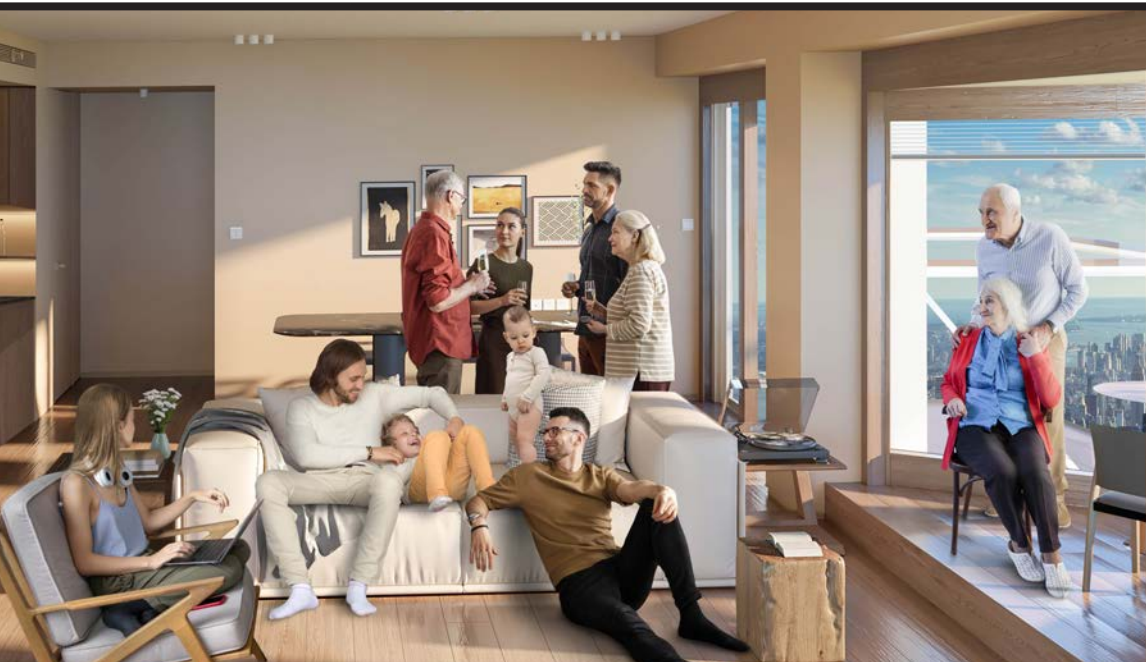
**Completely Avoided The Cold Winter & Hot Summer**  
Exterior walls & windows without any cold/heat radiation, condensation or mold  
Free to adjust room temperatures, and enjoy limitless hot water

**Established The World's Most Flexible Space Standard**  
Room sizes, number, even bay windows, balconies & floors, can be changed as needed after moved in

**Adopted The World's Strictest Acoustic Insulation Standard**  
Adopted the highest standard of EU/US/UK/CA/AU/JP/KR, regardless the project location

**Created The World's Healthiest Air Quality Standard**  
Indoor air is 100 times cleaner than the outdoor  
Sufficient fresh air, indoor CO<sub>2</sub> concentration <1000 ppm

**Achieved The World's Strictest Energy Efficiency Standard**  
90% more energy-efficient than conventional buildings and promote the peak-valley balance of the power grid





## HOLON : Intelligent Streamlined Production, High Quality & Low Cost



## HOLON : Containerized Transport, 3-Floor Per Day Installation

