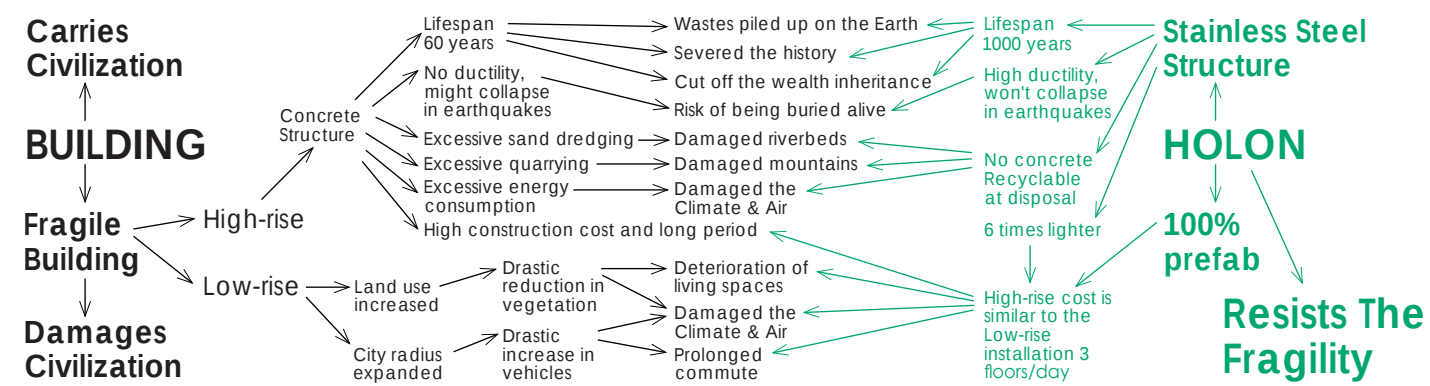


HOLON PREFAB HOME

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

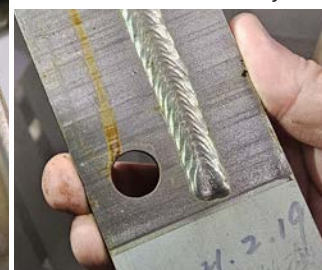
Original: Stainless steel core slab



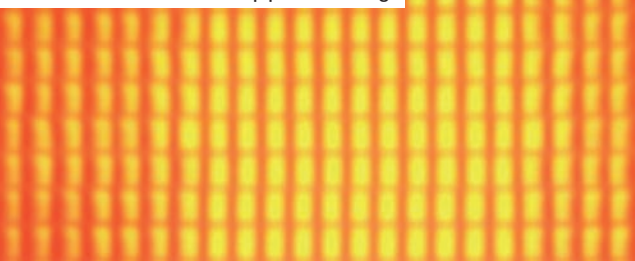
Fracture Test: Ductility ≥ 40%



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



1,100°C hot-wind copper brazing



Produce 240m² core
slabs each batch



Carbon steel
30 days



HOLON standard module

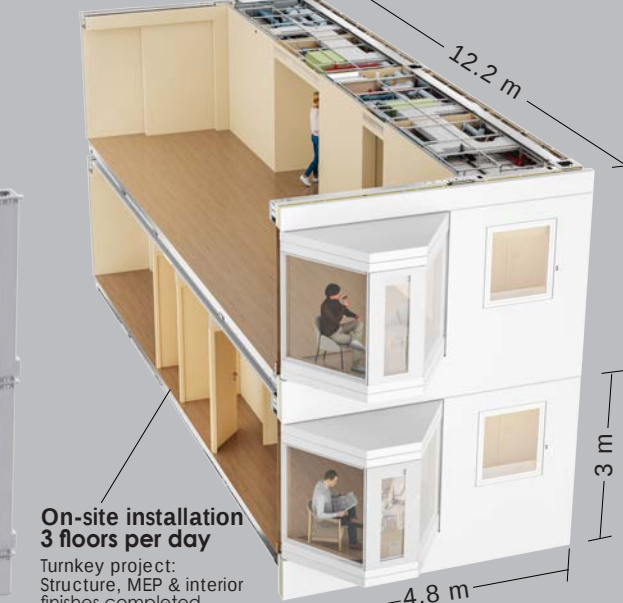


Shipped module
40-foot container-
sized transport
but container-free



Stainless
steel
core slab

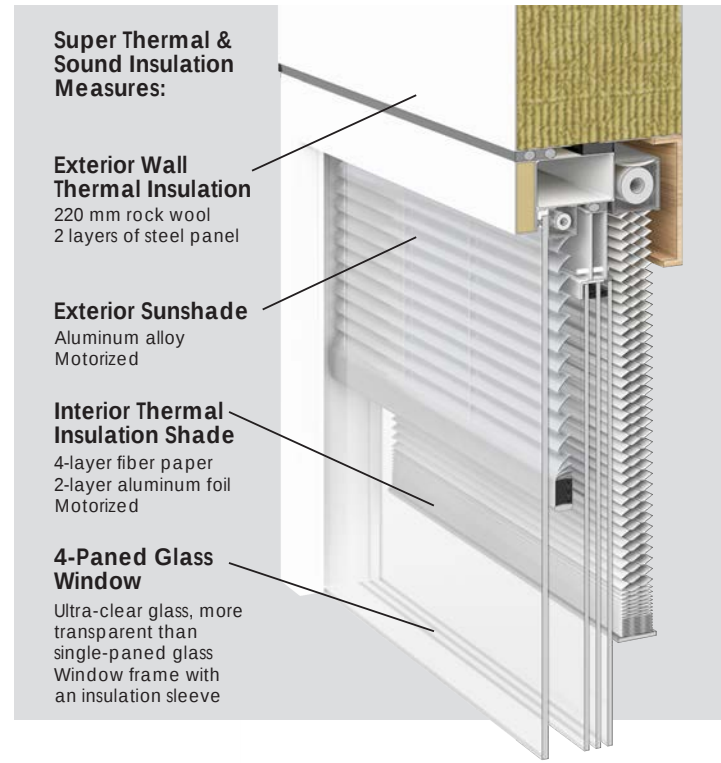
**Stainless steel
structure**
For structure
illustration only.
Structure, MEP &
interior finishes all
completed in factory



**On-site installation
3 floors per day**
Turnkey project:
Structure, MEP & interior
finishes completed

HOLON :

The World's Highest Comfort Standard



Flexible Space

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

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

Established The World's Most Flexible Space Standard

Room sizes, number, even bay windows, balconies & floors, can be changed as needed after moved in

Quiet Life

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

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

Adopted The World's Strictest Acoustic Insulation Standard

Adopted the highest standard of EU/US/UK/CA/AU/JP/KR, regardless the project location

Healthy Air

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

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

Created The World's Healthiest Air Quality Standard

Indoor air is 100 times cleaner than the outdoor
Sufficient fresh air, indoor CO₂ concentration <1000 ppm

Comfortable Temperature

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

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

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

