

# SAINT MINDA

Aluminum

Collapsible

Anti-Corrosion

© **About Saint Minda**

© **Product Introduction: Advantages  
Techniques  
Shipping**

© **Why Saint Minda: Comparison of tents & other folding  
house**

© **Patents**

## About Saint Minda - Background

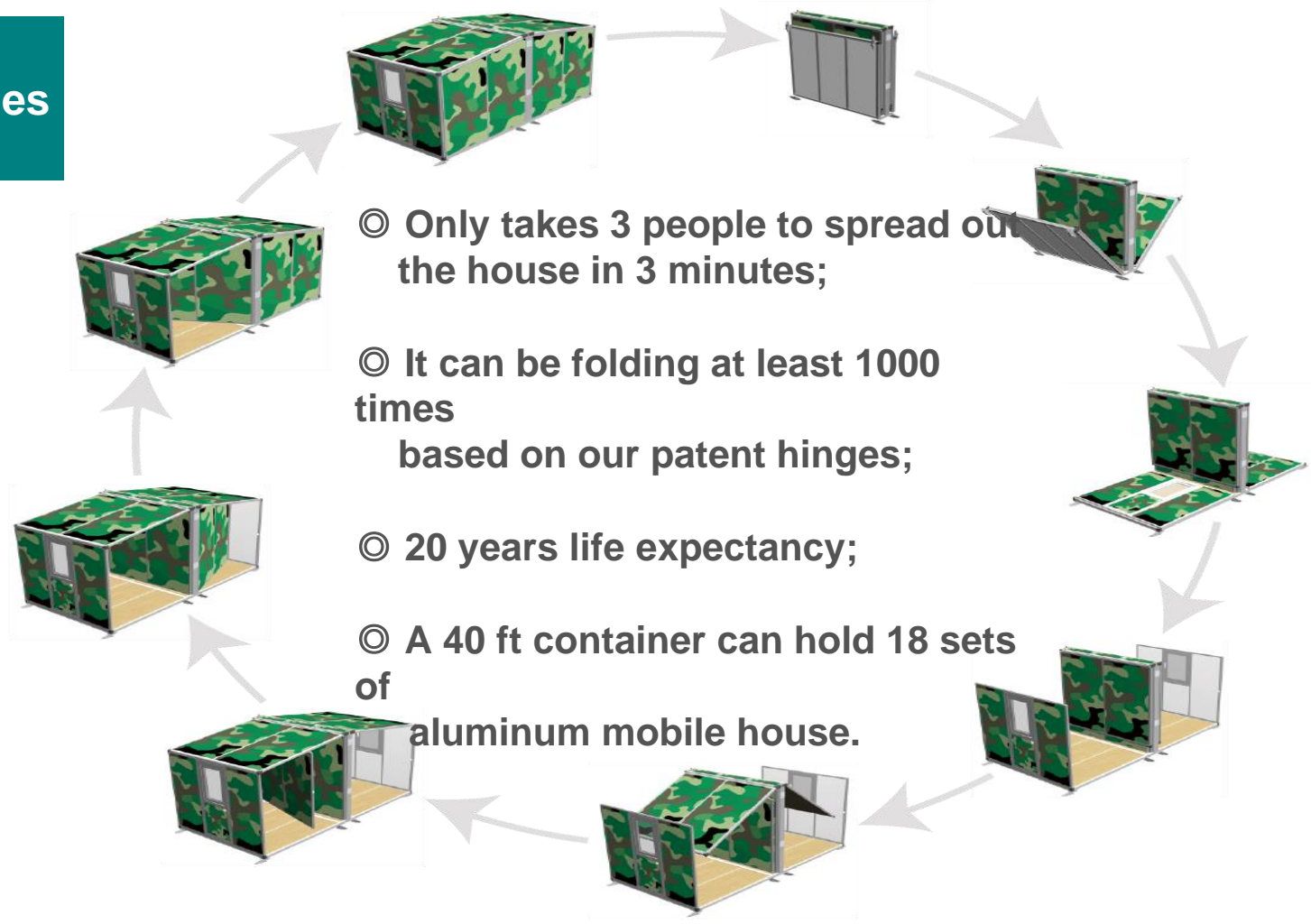
Saint Minda was established in 2016, we spent 2 years in designing, moulding, sampling and testing, totally cost \$3.5 million dollars in making Aluminum smart house. The idea of aluminum smart house originated from the biggest earthquake in China's modern history in 2008, when we wondered if there was a comfortable, portable, collapsible house that could give victims a warm home immediately after the disaster. It is far more cozy than tents and faster than flat packs. The use of aluminum is because aluminum is light weighted, has good anti-corrosion and anti-salt fog effect, does not need annual maintenance, saves a lot of maintenance costs, the most important thing is it is made by environmentally friendly materials.

## About Saint Minda - Application



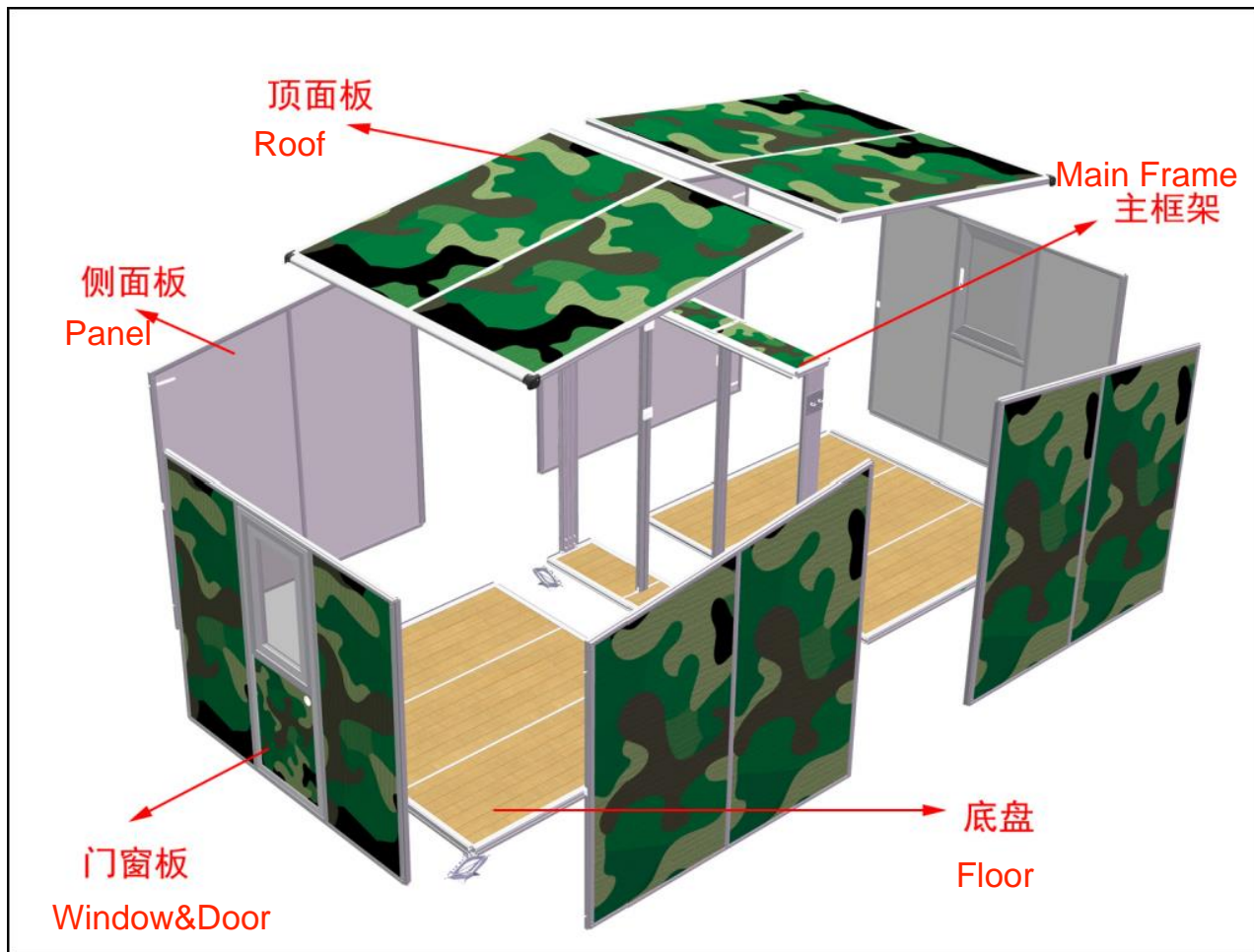
**Saint Minda Housing Solutions innovative concepts is based on the autonomous deployed shelters including mobile operational command offices, emergency rescue centers or crisis management centers.**

## Advantages



## Formation

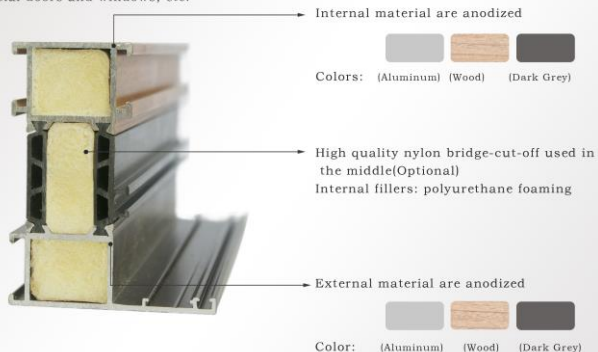
A single house consists of 11 modules, which can be disassembled into small modules if necessary, and 1 soldier can carry one modular and make them into a house in 20 minutes.



# Materials

## Frame Material Option Description:

It has many invention patents, long hinge, broken bridge, special doors and windows, etc.



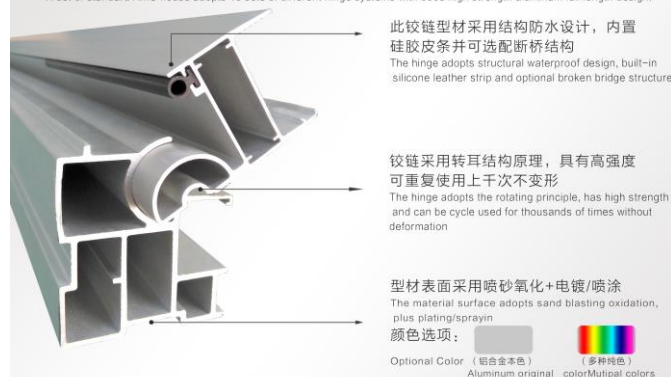
Wall&Roof

Frame

## 铝行舱铰链说明: Hinge Specification

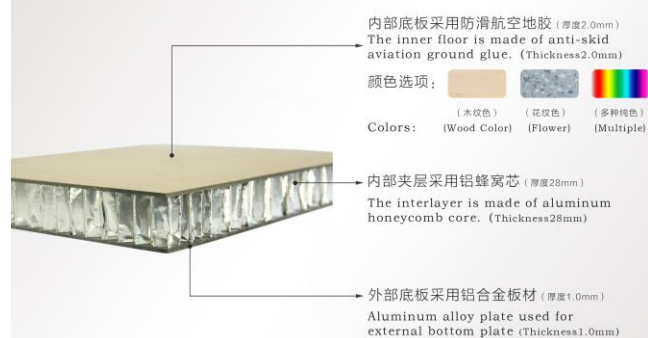
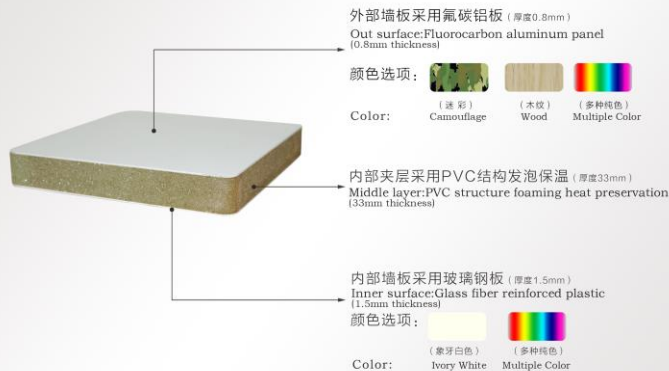
一套标准房屋采用16套不同规格铰链系统, 采用6005高强度铝合金通长设计

A set of standard AMC house adopts 16 sets of different hinge systems with 6005 high strength aluminum full length design.



Hinge

Floor



# Internal Structure- Electricity



Leakage  
Protection



USB  
Socket



LED Light

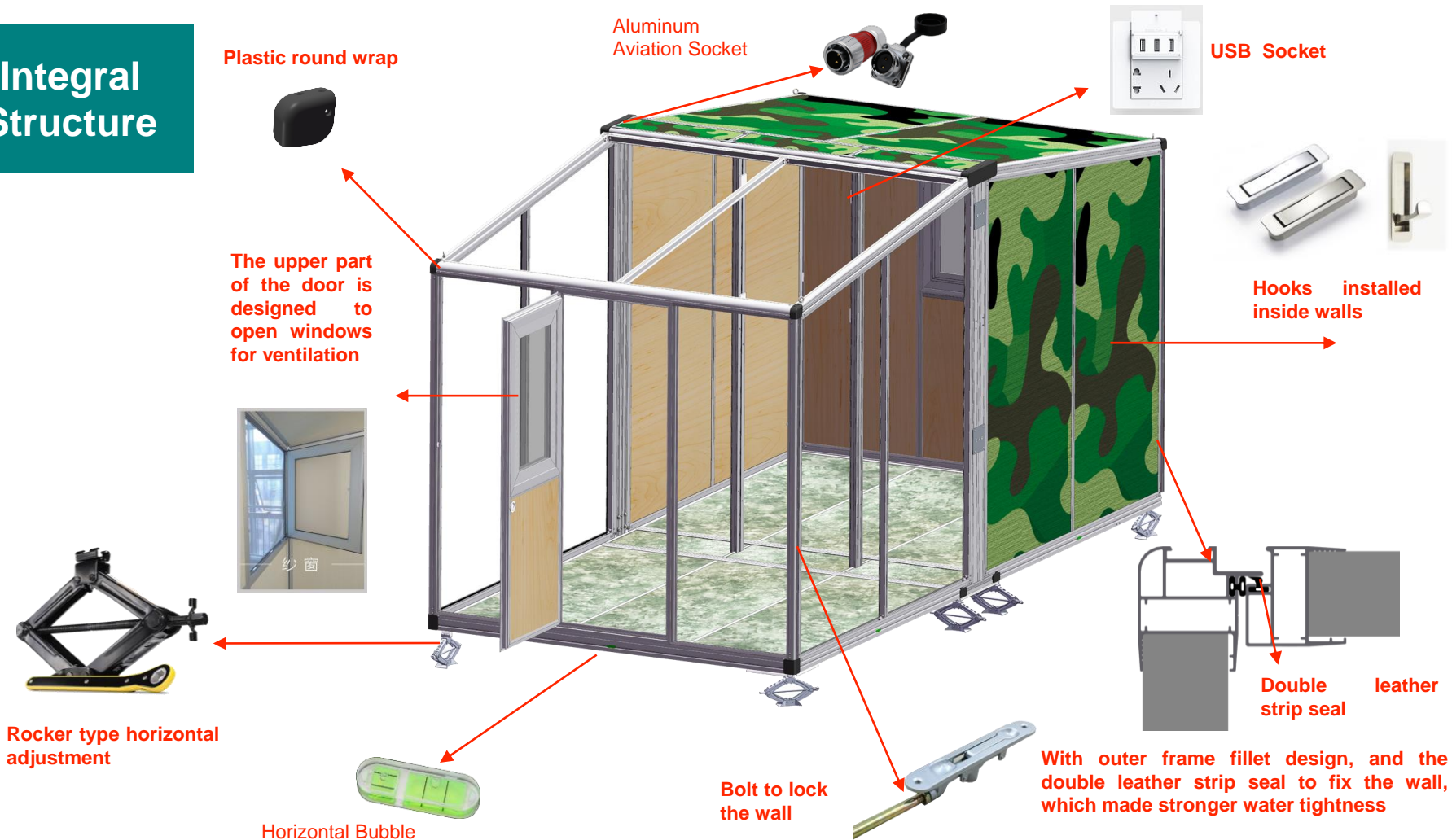
Five-hole Socket



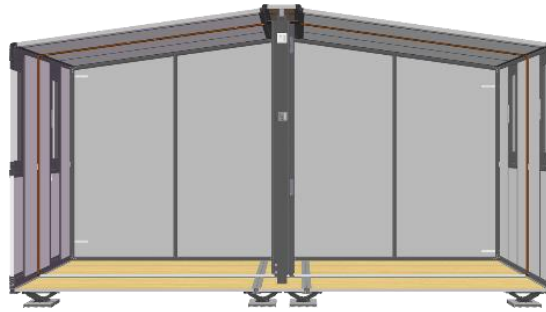
All Lines are fixed with  
quick bayonets



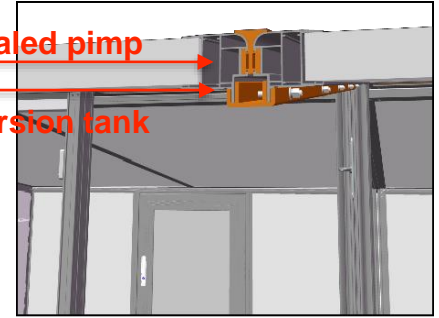
# Integral Structure



# Combination



Built-in silicone sealed pump  
U-shaped slot/diversion tank



Quick insert and reinforcement of the foot to adapt to the soft ground



Ground nail reinforcement

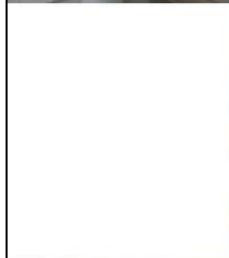
# Combination



# Decoration

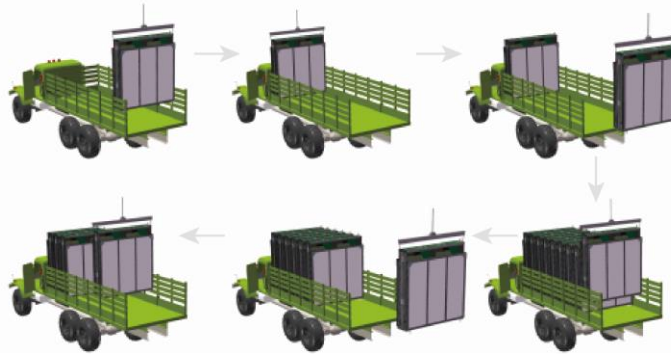


BEAUTIFUL LIFE

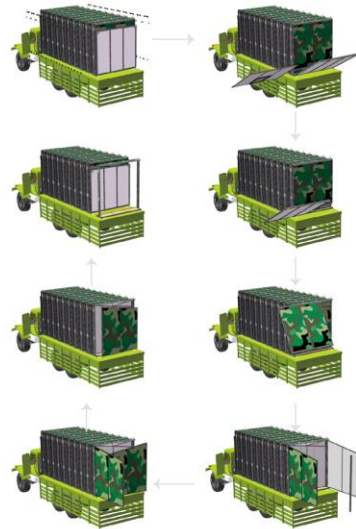


## Loading & Unloading

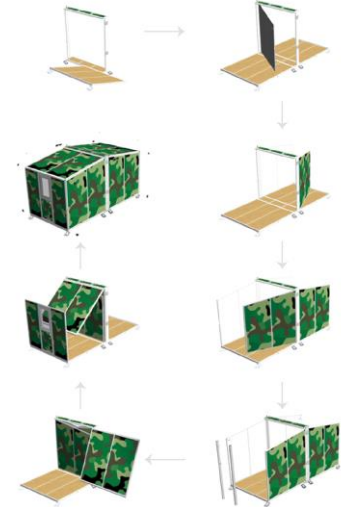
Use the hoist or forklift to load/unload the house



Disassemble the house into 11 modulars for manual loading/unloading

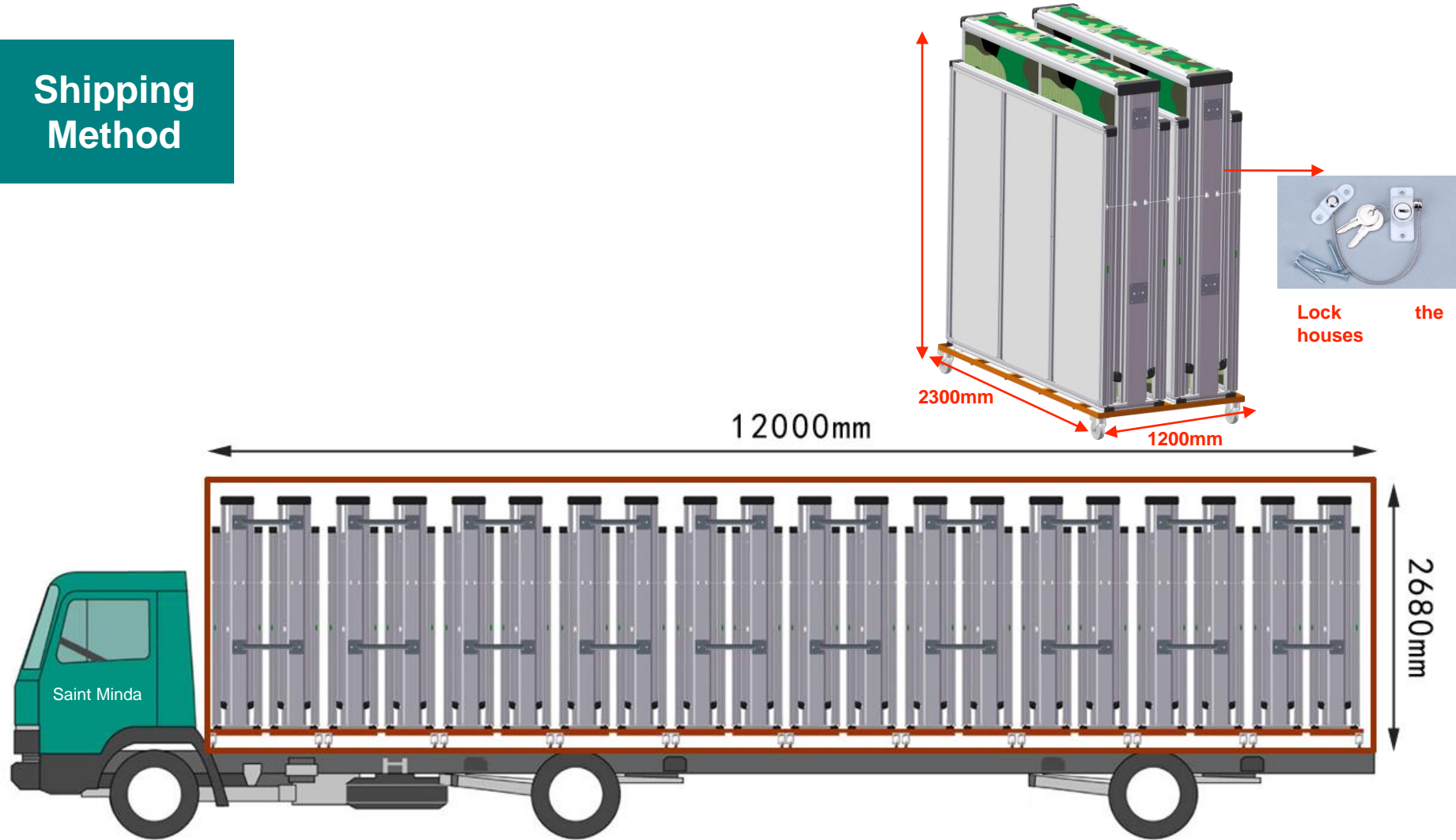


Modular assembling





# Shipping Method



# Why Saint Minda


- ◎ Ease of assembly/disassembly
- ◎ Durability
- ◎ Cost
- ◎ Thermal insulation
- ◎ Adaptability like ablutions, accommodation, offices etc



## Saint Minda V.S. Tent & Other folding House

Parameters	Saint Minda Folding House	Tent	Other Folding House
Thermal Insulation	Wall material: Aluminum outside+PVC foam+GRP inside, thermal insulation is like the brick house	Some with UV painting, but feel very cold in winter and extremely hot in summer	Wall material: Steel+rockwool+steel, heat tranform easily from metal to metal
Sound Insulation	48HZ	NA	NA
Integration	Can integrate air condition, bathroom, LED lights, folding beds, folding desks, projectors, etc., so that people can live inside immediately when the house arrived at the destination	All utilities are decorated on site, can not be integrated	Only integrate 1 LED light, other facility couldn't be integrated
Construction Time	Takes 3 minutes by 3 people manually without crane	Depends on the tent's size, at least 10 minutes for a small tent	Half an hour with the crane assistance under proper operation
Wind Resistance	117KM/H	80-90KM/H	NA
Service Life	Around 20 years	Around 2 years	10 year with yearly maintenance
Folding Times	1000 times	NA	10 times
Safety	Strong enough for the falling of solid sharp objects from a high altitude	Easily get destroyed by the falling of solid sharp objects from a high altitude	Strong enough for the falling of solid objects from a high altitude




 第 25357601 号

商 标 注 册 证

铝 行 舵


核定使用商品/服务项目（国际分类：6）  
 第6类：可移动式金属建筑；金属建筑物；金属用涂层（油漆等）；金属用防锈漆；建筑用金属板；金属铝锭；铝用金属附件；金属；建筑用金属铝材料；金属铝锭（截止）

注 册 人 常州市铝锭集成材料有限公司

注册人地址 江苏省常州市武进区政大道\*号恒研中心212室

注册日期 2018年07月21日 有效期至 2028年07月21日

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**Thank you!**

常州 •  
Changzhou

# SAINT MINDA

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