



# **HOUSING SOLUTIONS AFTER CONFLICTS AND DISASTERS**

MORE THAN JUST A ROOF



Quebec Wood  
Export Bureau

## FLEXIBLE SOLUTIONS

Each humanitarian situation is unique. Housing solutions can be adapted to the specific needs of affected communities, from house design to implementation.



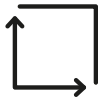


## HS-E

### Economical Housing Solutions



Single slope roof



22 m<sup>2</sup>



3.66m x 6.10m (12' x 20')



Can accommodate up  
to five people



Can be set up in one day  
by three workers



Includes two rooms



Gabled roof

- ✓ Most economical solution
- ✓ Structural resistance: designed for disaster risk reduction measures
- ✓ Designed to be installed on concrete slab, but can be adapted to other types of soil conditions



## HS1

### Housing Solution 1



Can accommodate up to five people



Can be set up in one day by three workers



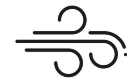
18 m<sup>2</sup>



3.66 m X 4.88 (12' X 16')



Core house



Can withstand Category 4 hurricanes depending on the chosen version

- ✓ 4 different types of anchors adaptable to a wide range of soil conditions.
- ✓ Geotextile membrane and ballast
- ✓ In-ground mechanical anchors
- ✓ Treated wood foundation
- ✓ Concrete foundation



## HS2

### Housing Solution 2



26 m<sup>2</sup>



Can accommodate up to seven people



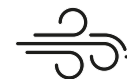
Includes one living area and 1 or 2 bedrooms



4.88 m X 6.10 m (16' X 20')



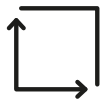
Can be set up in two days by three workers



Can resist Category 3 hurricanes depending on chosen version

## MB1

### Multi-purpose Building 1



74 m<sup>2</sup>



6.10 m X 12.19 m (20' X 40')



Can be set up in four days  
by five workers



Can be used as a medical  
clinic, school, community  
centre, etc.



Can resist Category 4  
hurricanes depending on  
chosen version



- ✓ 2 different types of anchors adaptable to a wide range of soil conditions.
- ✓ Geotextile membrane and ballast
- ✓ Concrete foundation



## MAIN FEATURES

### Quick and easy to set up, dismantle and move

- No special equipment required.
- All components can be carried by hand.

### Resistant to extreme winds and earthquakes

- Designed to resist Category 3 or 4 hurricanes depending on chosen version.
- Low inertial mass to resist major earthquakes.

### Flexible

- Different types of anchors adaptable to a wide range of soil conditions.

### Long-lasting

- Treated against termites and mildew.

### Upgradable

- Possibility of easily incorporating other components (additional rooms or sanitary facilities).
- Designed to form part of longer-term housing solution.

### Environmentally-friendly material

- Wood production requires less energy than other building materials. It also helps reduce greenhouse gas emissions.
- The wood used is FSC or PEFC certified to ensure it comes from a sustainable source.

### Involvement of local labour

- Training offered to workers and the local population to encourage their active participation in the construction process.

### Affordable

- Designed to be a cost-effective solution for communities already heavily afflicted.

### Other features

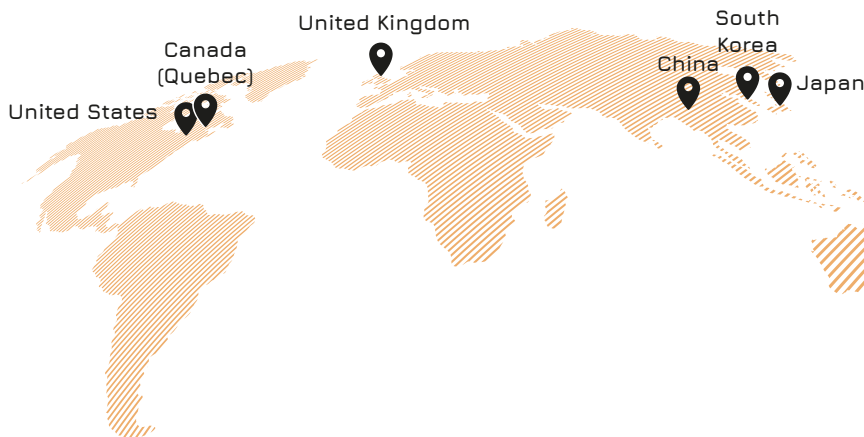
- Uses simple materials.
- Designed to be comfortable in a wide range of warm climates.
- Meets international specifications and standards.
- Easy maintenance by occupants.
- Possibility of personalizing the buildings so occupants feel more at home.
- Possibility of insulating and adding finishing materials.

## THE STRENGTHS OF QWEB

The Québec Wood Export Bureau (QWEB) is a non-profit organization with over 200 manufacturers operating in various sectors of the wood industry. It has six offices around the world.

QWEB's expertise and that of its partners, combined with the know-how of an engineering firm, an architectural firm, a research centre and post-disaster housing specialists, have helped develop housing solutions that are not only flexible, durable and affordable, but also easily adaptable to different cultures and humanitarian situations.

The partner companies' wealth of export experience, along with the expertise of QWEB and its overseas offices, allows them to deliver housing solutions to all continents.

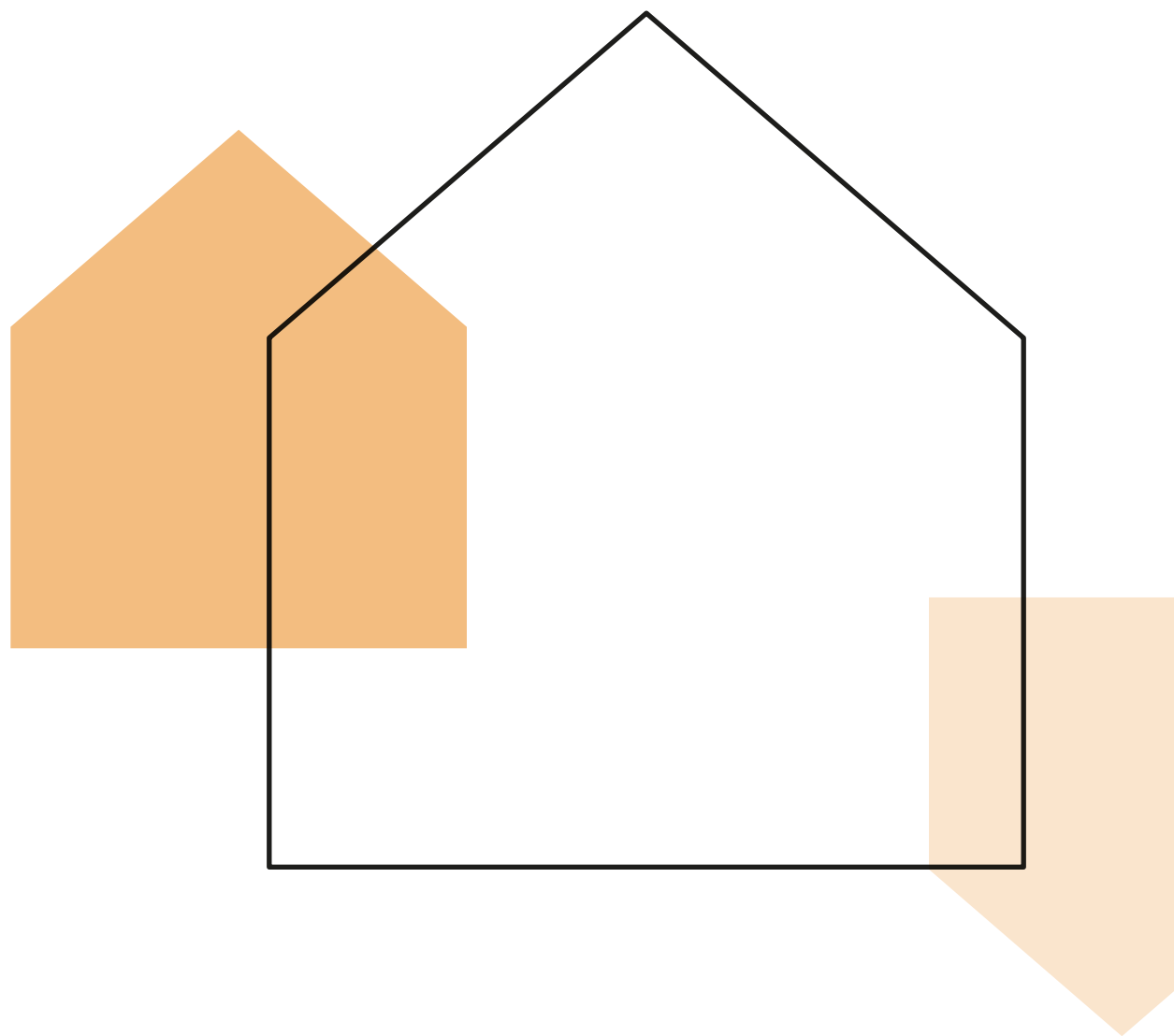


### Partner companies:



Quebec Wood  
Export Bureau

- Leading-edge expertise in prefabricated housing solutions
- Large production capacity: several thousands of units per month
- Quick response time
- Guidance and training, from house design to implementation
- Attentive to your needs



Quebec Wood  
Export Bureau

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