



## **D&D FIRST RESPONSE BUILDING INTERNATIONAL**



### **WHO IS D&D-FRB Inc?**

D&D-FRB International is a worldwide organization dedicated to helping bring safe, secure and comfortable accommodation and fully integrated social infrastructure in the simplest, fastest and most economic way possible. We do this ensuring the least environmental impact.

The main manufacturing facility is located close to the port in Istanbul, Turkey, where rapid deployable, pre-engineered, modular mobile buildings and shelters, are produced using state-of-the-art technology.

### **WHAT IS THE "D&D CONCEPT"?**

The D&D concept is designed to simplify and speed up the response to an immediate need for safe, comfortable and secure accommodation for shelter, worker accommodation, administration buildings, schools, laboratories, training rooms, toilet and shower units, clean water units, safe and secure storage buildings and many other uses.

D&D's rapidly deployable FRB's (Fast Response Buildings) are only a part of the D&D-FRB offering. The company partners with Best In Class companies in their specialist fields to offer a total, integrated community concept. We call this;

## **"A HOUSE IN 15 MINUTES , A VILLAGE WITHIN A DAY"**

This cost effective pre-storage of these flat pack building units enables fast, effective response to unexpected or planned situations eg. natural disasters, conflicts, re-settlements, exploration and construction projects, exhibitions and special events – in fact any situation requiring rapid implementation, decommissioning repositioning and reconfiguration of the building scheme.

The use of FRB's simplifies the whole project implementation, giving fastest deployment and decommissioning at lowest cost and no environmental impact.



### **BENEFITS OF DEPLOYING FRB's**

- Extremely fast. Deployed in 15 minutes with a team of 4.
- Its simple design offers only a few parts for assembly; no screws, nuts, bolts or special tools required.
- Little or no site/ground preparation required. No impact on local environment
- Local untrained labour quickly construct the units with little supervision
- Modular - flexible – design. Buildings are easily extended and reconfigured
- Most cost effective use of logistics and transportation modes
- After decommissioning a project, there is no waste and all units can be reused many times.
- Highest efficiency of transport and logistics – lowest environmental impact



## BENEFITS AND FEATURES OF THE FINISHED UNIT

- Strong, secure, durable and low maintenance.
- High insulation adds comfort in cold and warm climates
- Electricity and wiring connected in minutes
- Heating, ventilation, air conditioning readily available
- Living quarter, kitchen and toilet/shower accessories readily available
- Multi-purpose. The units are quickly taken down and re-deployed in a new area
- Components are unaffected by weather conditions. Good for 20 years.



## THE DESIGN

All units have been designed by personnel experienced in military and humanitarian operations, who understand problems in the field.

To this end, the units are designed to fit on standard NATO shipping and air-dropping pallets. **12 houses can** be loaded into a 40 Feet HC Container. All of the products are manufactured in accordance with **EU standards and ISO 9001-2000 Certified**. Only highest quality components are used.



**WHERE HAS THE PRODUCT AND THE CONCEPT BEEN USED?**

**DND** provides safe, functional, secure buildings and integrated communities for all purposes; Post disaster camps, transitional villages, worker camps, field kitchens, NGO accommodation and administration buildings, schools, medical facilities, water stations, safe storage facilities and more.

Transitional village, Command center, NGO field accommodation.







Turn key fully equipped school complex.





Community toilets and showers. Fully furnished kitchens and canteens available.



**D&D-FRB Inc.** is also providing "**Rapidly Deployable Village/ Camp**"; a turn-key rapid and effective response to natural disasters, conflicts, civilian emergencies, reconstruction and development programs and any situation requiring immediate management of human flows and safe storage.

**D&D's durable and multi purpose FRB units** are simple, reliable, robust, high quality products you can depend on. They are designed for the harshest field and climate conditions, extremes of heat, cold and wind, can be deployed at any elevation and terrain for almost any civilian or storage purpose

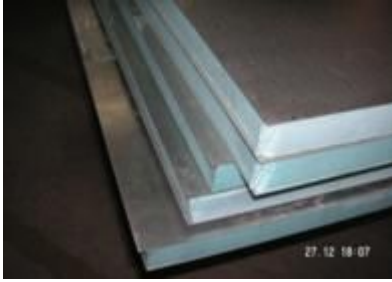
### **THE MATERIALS WE USE**

Floor base, walls, and roof are constructed with state-of-the-art **structural insulated composite panels (SIPS)**.

These high strength; low weight elements allow the fast construction of buildings that combine; personal security, privacy and comfort with lightness, durability and low maintenance.

The SIPS are manufactured using tensioned steel structurally bonded to high performance **Styrofoam® extruded insulation** produced by **Dow Chemical**.

The frames are high quality galvanized, high strength, stressed steel.



## HOW WE WORK ?

D&D-Fast Response Building International works closely with its strategic partners to design and provide rapidly deployable buildings and integrated communities as a turn key package. We work with our clients from concept through to construction, full operation and decommission.

## OUR MOST RECENT PROJECTS

- 3 fast response villages in Tsunami-affected area of Indonesia implemented with cooperation of IOM
- 500 FRB are kept in stock by NGO LHA in different parts of Turkey for emergency preparedness. In November 2006, 2 of these villages were erected within 3 days **immediately following** the flood disaster in south east Turkey
- NGO Offices erected in Indonesia, Turkey for IOM,
- Mobile offices for İstanbul Municipality have been erected in Turkey.
- 2 integrated school campus for 300 school children in Balakot, Pakistan, in cooperation with IOM.
- Homes/Shelters erected in Turkey, eastern Africa
- Accommodation units, ablution blocks delivered to the military







**OUR SUCESS IS ACHIEVED ONLY THROUGH THE INNOVATION, SUPPORT AND GOOD WILL FROM OUR PARTNERS AND OUR CLIENTS.... THANK YOU!**





