

Exup HIAC vs Conventional Construction

A fast look at the many benefits of building with an Exup HIAC
House In A Container

Exup HIAC

- **Efficient Construction**
 - ⇒ Insulated Concrete Forms (ICF)
 - ⇒ ICFs do not warp or deform in extreme conditions
 - ⇒ From breaking ground to turn-key in 3 months
 - ⇒ Minimal construction waste
 - ⇒ Easily learned, easily performed
 - ⇒ Difficult to conceal if supplies are stolen
- **Concrete construction**
 - ⇒ Concrete roof, walls and slab are strong enough to last through the next big hurricane
 - ⇒ Efficient performance rating of R50
 - ⇒ Durable enough to last hundreds of years
 - ⇒ Impervious to termites and vermin
 - ⇒ Inert Material, does not off-gas toxic substance that affect the occupants
 - ⇒ Easily cleaned after a flood
- **Independent Building**
 - ⇒ Produces it's own energy with solar panels and backup battery system
 - ⇒ Catches rainwater from roof and stores it for potable use
 - ⇒ Purifies all potable water coming in to house
 - ⇒ Has its own drop-septic system
 - ⇒ Reduces or eliminates utility bills for occupants
- **Environmentally Friendly**
 - ⇒ Reduces or eliminate storm-water runoff
 - ⇒ Does not off-gas or leach out toxic chemicals
 - ⇒ Healthy for occupants, this can translate into worker efficiency increases of up to 15%
- **Cost Effective**
 - ⇒ Over the life of the building, an Exup ICF HIAC will have reduced operating costs by as much as 80%
 - ⇒ Outlasts wood construction by 5 times, making it one third as expensive in life-cycle cost

Conventional Construction

- **Inefficient and slow construction**
 - ⇒ Breaking ground to turn-key in 4-6 months
 - ⇒ Wood warps easily in wet conditions
 - ⇒ Large amounts of construction waste
 - ⇒ Difficult to learn, must be experienced to build
 - ⇒ Easily stolen, difficult to track
- **Wood Frame Construction**
 - ⇒ Has been damaged in past storms, will be damaged in future storms
 - ⇒ Even with no storm damage, a wooden building will need to be replaced 5 times as often as a concrete building
 - ⇒ A home for termites and vermin
 - ⇒ Off-gases toxic VOCs and other gases and substances, sickening occupants
 - ⇒ Inefficient performance ratings of R10-15
 - ⇒ Ruined by water damage
- **Tied into Utility Grid**
 - ⇒ Affected by every blackout
 - ⇒ Can not produce its own power
 - ⇒ Does not make use of rainwater, a natural resource
 - ⇒ Must be connected to sewer
 - ⇒ High utility bills for occupants because of the inefficient nature of R-15 wood homes
 - ⇒ Dependent upon single point energy production
- **Environmentally Unfriendly**
 - ⇒ Increases storm-water runoff, which increase the chance of flooding
 - ⇒ Off-gases and leaches out chemicals toxic to humans, especially children
 - ⇒ Unhealthy for occupants, subject to Sick Building Syndrome
- **Cost Ineffective**
 - ⇒ Must be replaced or repaired after every major storm
 - ⇒ High operating costs
 - ⇒ Over the life cycle of the building, will cost three times as much as an Exup HIAC