



G3systems

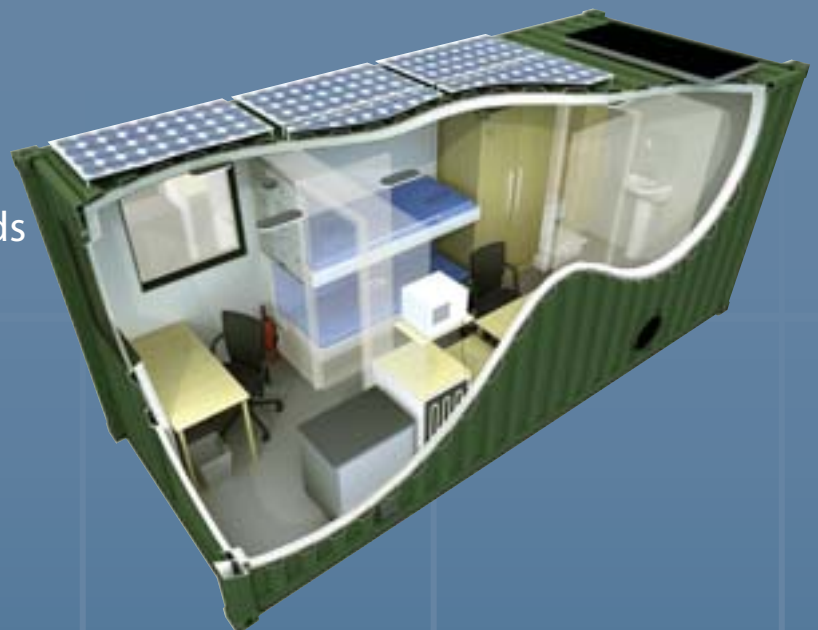
ECOM

ECOM is a self contained, cost efficient accommodation unit created for use in areas of disaster relief, exploration, humanitarian aid and post war reconstruction. Using low power products and renewable energy, ECOM enables the occupier to live comfortably with little or no associated logistic costs.

- Self powered solar technology for mobile power needs
- Flexible lightweight solar panels
- Very low whole life costs
- Reduced need for generator supply in remote regions
- Cooling PCM (phase change material) located in container wall lining (optional)
- Reverse osmosis water purification system allowing water to be taken from any source (optional)
- Environmental conditioning to maintain internal comfort during high external daytime ambient temperatures
- Ballistic protection and blast coated glass to overcome risk to personnel in dangerous conditions (optional)

ECOM is furnished to ensure comfort for the occupier by incorporating:

- Solar water heating system
- Complete bathroom area
- Cold storage
- Accommodation area with 2 beds
- Office area (optional)
- Self contained automatic waste management system



The ECOM accommodation unit is housed in a 20ft steel based CSC approved ISO style container. The environmental conditioning system is designed to keep the accommodation unit's temperature maintained at an ambient level when it reaches a predetermined point ie 26°C, irrespective of the outside temperature.

As standard the ECOM container has a stud wall lining but offers an upgrade to a lightweight aluminium honeycomb composite panel resulting in a high strength, durable container solution if required.

The container interface is designed to meet the requirements of ISO and is fitted with ISO corners. The container can be lifted via the top or bottom ISO corners and integrated fork lift pockets.

The ECOM is powered by roof mounted solar-energized portable power packs which are specifically designed for mobile power needs. Incorporating NASA and military technologies with PowerFlex solar cells, they provide a lightweight, flexible, durable and portable power solution at a minimum of 800 watts.

The use of solar panels provides significant time and cost savings both for setup and running, it also eliminates the need for large generators and fuel. This also provides additional benefits such as reduced noise and environmental pollution.

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