

Case Study 4: Green Horizon Prefab Home

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This very sustainable shelter was designed by James Pope of Green Horizon. It can sustain a family of four with a week's worth of food, electricity, and water without external support. The Green Horizon Prefab home is constructed from 100% recycled or recyclable materials, and features a metal frame construction that allows for a nearly endless array of configurations. This prefab technology can produce medical units, communications units, offices, and community centers as well. The shelter comes complete with electrical and plumbing systems, and is sturdy enough to be stackable, so an entire community of units can be linked together to share resources such as power and water. It can even generate its own electricity using photovoltaic panels and biofuel generators, and could potentially sell excess energy back to the grid. The prefab home can be towed by truck, carted by train or even fit into a shipping container for travel by sea. These shelters can be endlessly reused by simply swapping and repairing individual components.