

HOUSE REGROWTH pod

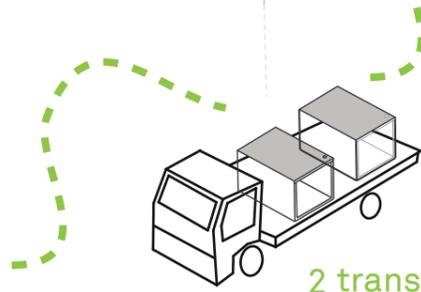
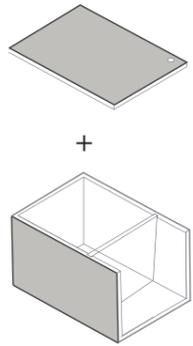
'.....from little things big things grow'

A completely self contained concrete service pod

The purpose is to provide a fully prefabricated, quickly erectable and safe central service pod. Completely fitted and operational, enabling occupation as soon as delivered to site. Although initially to be used as a temporary bathroom and kitchen for those in the early stages of rebuilding their homes and lives, the true purpose would be to form the permanent core of a new home, eventually to be engulfed by the rest of a house while remaining hidden to provide an permanent safety refuge.

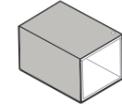
the basic building blocks

1 prefabrication



2 transportation

the pod sizes have been designed so that 2 pods can fit onto the back of a standard semi-trailer truck.



3 site

once the truck arrives on site a crane unloads the two pods to where they are needed.

each pod measures 4.9m x 3.4 m

A single pre-cast concrete module forms the basic building structure and primary envelope to the pod.

It is made from a mould which includes steel fibre re-inforcement when the concrete is poured. The concrete itself is a 40 MPA, low shrinkage, super-plasticised mix (further details from makers is available if required) www.ecotecbuild.com.au

The advantage of a mould process means that service penetrations and openings can be cast into the module. pre-installed electrical conduits can be installed within the thickness of the concrete walls ready for connection.

It also means that the kitchen and WC fittings can be fitted before the pods are delivered.

Production
The makers are able to make two modules per day regardless of weather conditions.

The regrowth pod

- precision engineered & Extremely strong & durable
- Fire proof
- Pest proof
- Water proof
- Earthquake resistant
- Bullet proof
- Precision engineered product
- Minimal impact on surrounding environment
- Movable- relocatable
- Recyclable

The pod is used as structural element and the basis for construction of the rest of the house over time. For example roof frames can be built directly off concrete pod

It can also be used during fire/cyclone as refuge incorporating a distress signal/beacon (GPS, mobile, visual alarm) to alert emergency response of the occupants inside



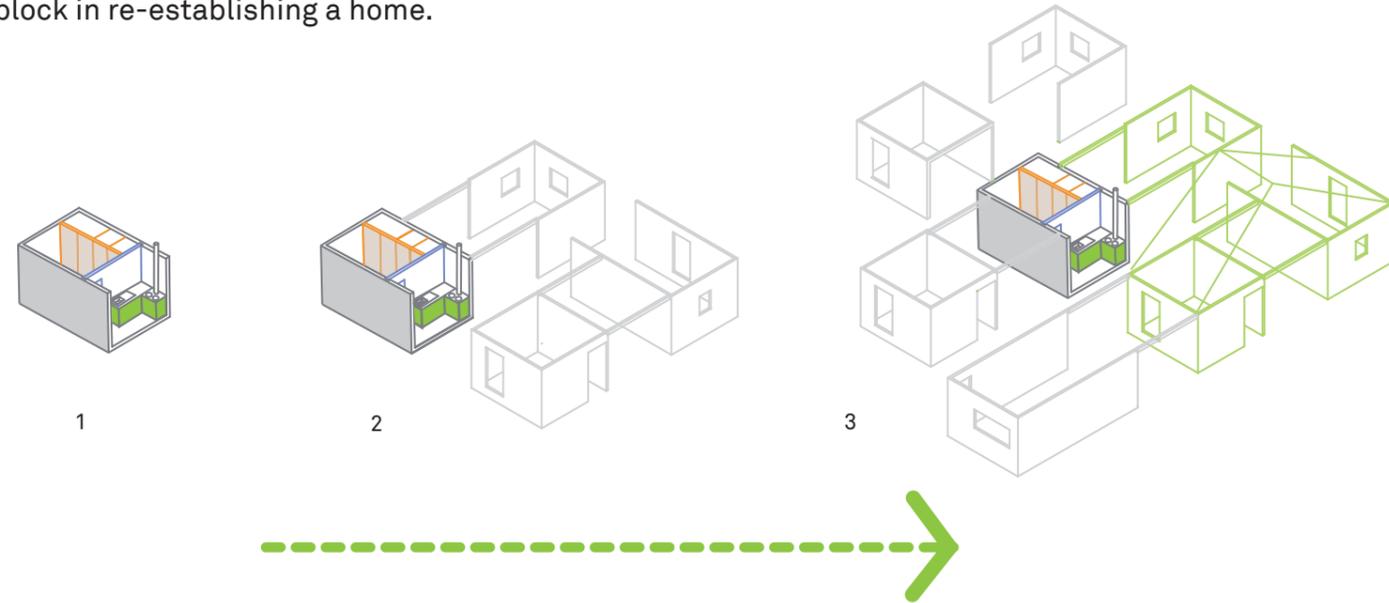
1 / pods delivered to site and then craned into position - providing immediate shelter, security and basic amenities.



2 / over time houses grow and develop as the pods are used to build and connect the rest of the house. Infrastructure becomes re-established.

re-growing - the box provides shelter, services, storage and security.

Rather than a temporary solution the pod is the first building block in re-establishing a home.



1:1 Architects

www.one2one.net.au
email: plans@one2one.net.au