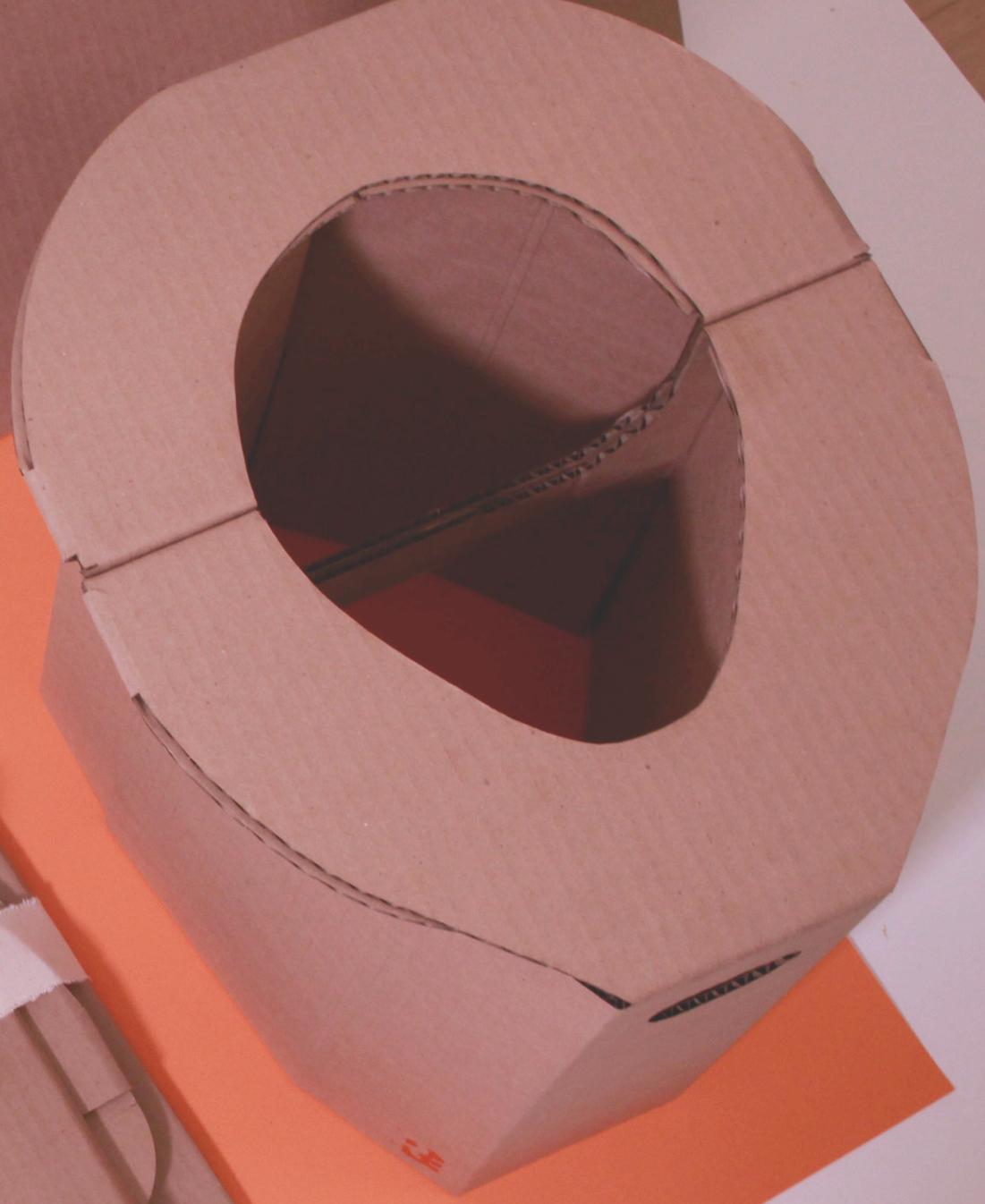


RE

RELIEVE

How can we manage
human waste immediately
after a disaster?



A dark, grainy photograph showing a person working on a utility pole. The pole is covered in many electrical and telephone wires. The person is partially visible, wearing a cap and a light-colored shirt. The background is dark and out of focus.

In 2020, sanitation is still one of the biggest unsolved global crisis.

12% of the world is still pooping in an open space rather than into a toilet and that is called open defecation. This leads to unsafe drinking water and diarrhea which contributes to the deaths of thousands of children every year.

In case of a disaster, sanitation becomes a more difficult challenge. The lack of sanitation leads to water-borne diseases, which are major health risk factors to those who just suffered a disaster.

Sanitation is a human right. Toilets save lives.

Existing Problems



In a disastrous situation such as an earthquake or landslide, it usually takes 3-4 days before large toilet devices can be transported in.

3 days without proper sanitation can lead to water-borne diseases.

Lack of sanitation > water-borne diseases>lack of proper medical care>death

Most urban/suburban spaces utilize sewage treatment systems which are extremely fragile in case of disasters. **They are not reliable.**

For example, Hurricane Katrina struck New York City in 2012, leaving thousands of households **without running water and working toilets.**

Introducing RElieve, a portable toilet system designed for disaster camps.

Made of waxed
cardboard, it is
lightweight, flat-pack
and water-resistant.

It is used as a low-cost
temporary solution in
disaster sites before
industrial toilets can be
transported in.

Users simply place
a plastic bag onto
the seat before they
use the toilet and can
dispose of their waste
into the community
collection bin.





User Journey



1
Place a plastic bag onto the seat. Eliminate your waste into the bag.

2
Bag up your waste and leave the bag on the tray.

3
Fold up the tray and carry the bag with it.

4
Dispose it at the community bin.

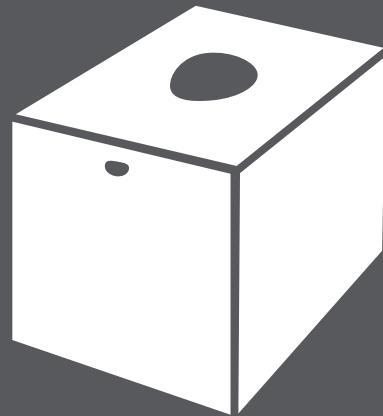
User Manual ---- Universal Infographic



User Manual ---- Universal Infographic



Product Benefits



1

20in x 20in x 20in
Shipping Box

Contains



60

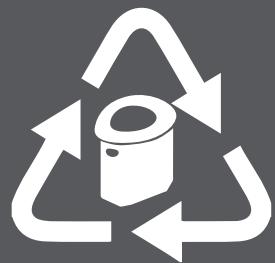
Portable Toilets



300

People

Product Features



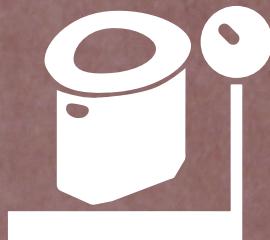
100% Recyclable



High Maximum
Weight Support



Water Resistant



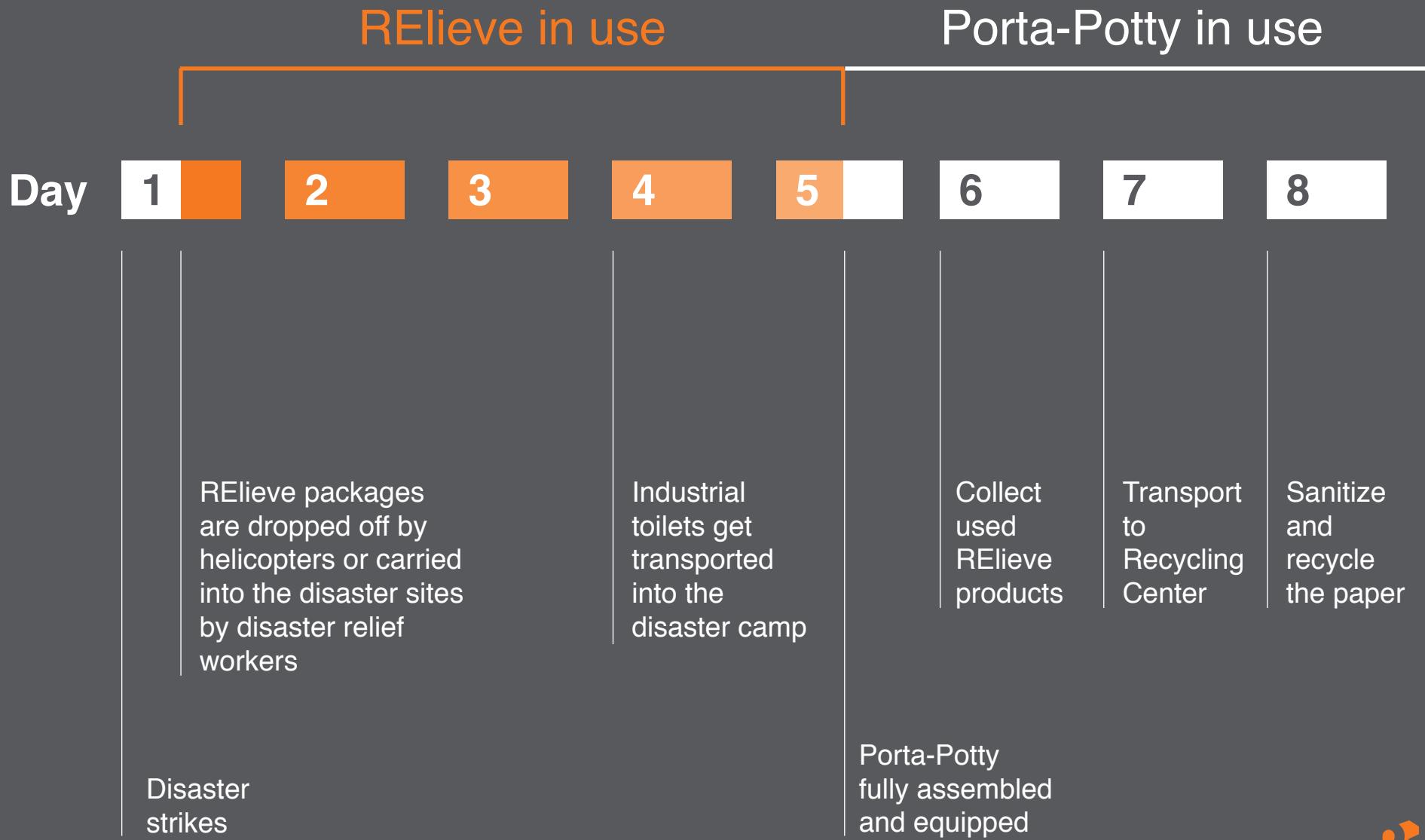
Lightweight
(0.1kg each)



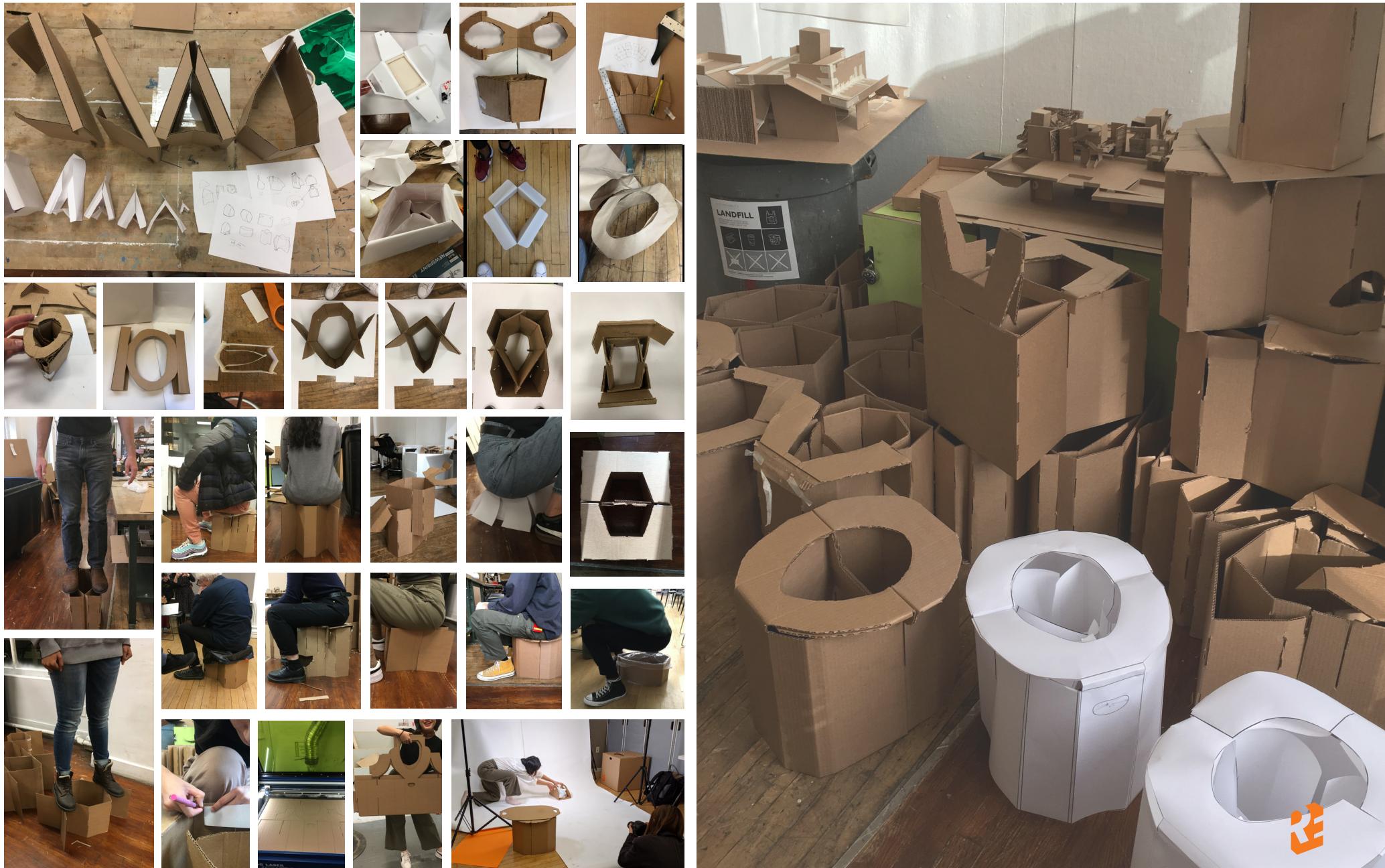
Low Manufacturing
Cost (~\$0.6 each)



Product Life Cycle



Making & Testing



Thank you!

