

FIELD READY

# **SOAP CHALLENGE PROJECT BRIEF**

Version 1.0 | May 2020

# TABLE OF CONTENTS

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About Field Ready and our approach

The Challenge

Context

Restraint

Proposed solution/Ideas

Resources



# FIELD READY

## Our Mission and Vision

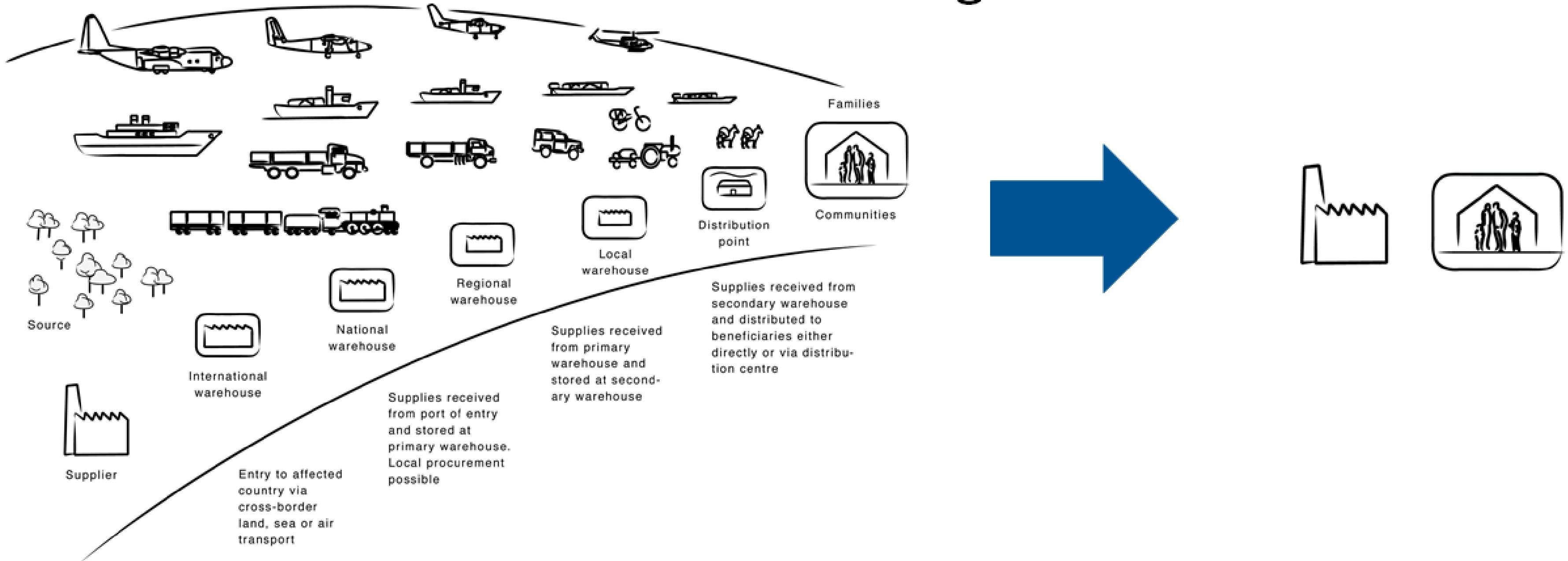
Field Ready meets humanitarian and reconstruction aid needs by transforming logistics through technology, design and engaging people in new ways. We make useful items where they are needed to solve problems locally. We pass on these skills to others through training and capacity-building. We are pioneering innovative approaches to the toughest challenges regardless of the sector. The impact of this is dramatically improved efficiency making aid faster, cheaper and better.





FIELD READY

## Transforming disaster relief



**Today's approach:**  
make aid supplies far away & ship

**Tomorrow's approach:**  
make aid supplies in-the-field

# How we work at Field Ready

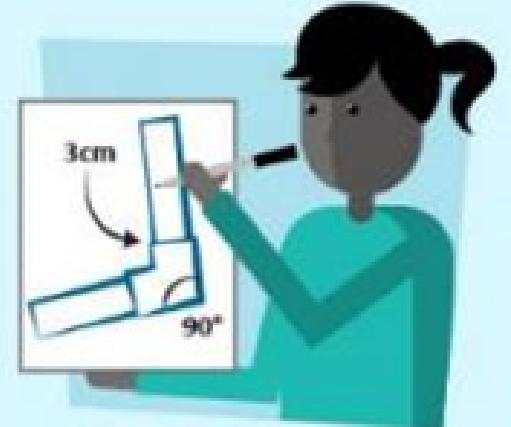
## Assess

Look, listen & understand



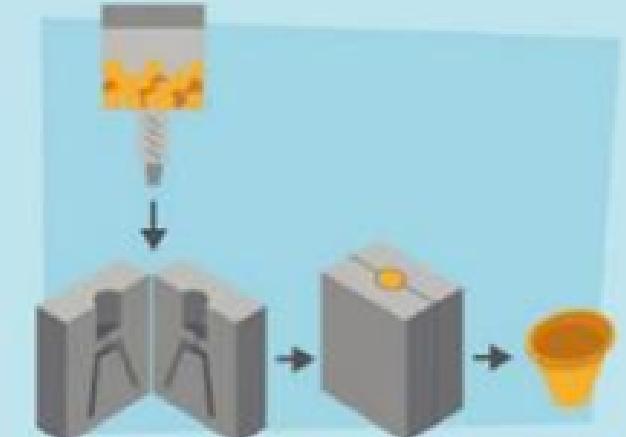
## Design

Ideate & develop concepts



## Make

Manufacture useful things



## Share

Test, distribute & train others



## Lead

Replicate where there is need



**FIELD READY**

# CHALLENGE

**How to place toys inside bars of soap being made using existing mass production methods?**

How can you put the toy in the centre of the bar of the soap, when the bar of the soap are made by machines in the factory?

If you make the soap by hand, it is easy. But if in a factory, a machine is doing it, thousands of soap, there is a question on how to put the toy in the centre.



# WHY DOES IT MATTER?

**To encourage the children  
to wash their hands.**

**Research has found that having toys inside the soap  
significantly increases the rate of handwashing**

- Research on how soap can save life:  
<https://www.lshtm.ac.uk/newsevents/news/2018/innovative-surprise-soap-gets-children-washing-hands-emergencies-lifesaving>
- Child's play: Harnessing play and curiosity motives to improve child handwashing in a humanitarian setting  
<https://www.sciencedirect.com/science/article/pii/S1438463918305686>

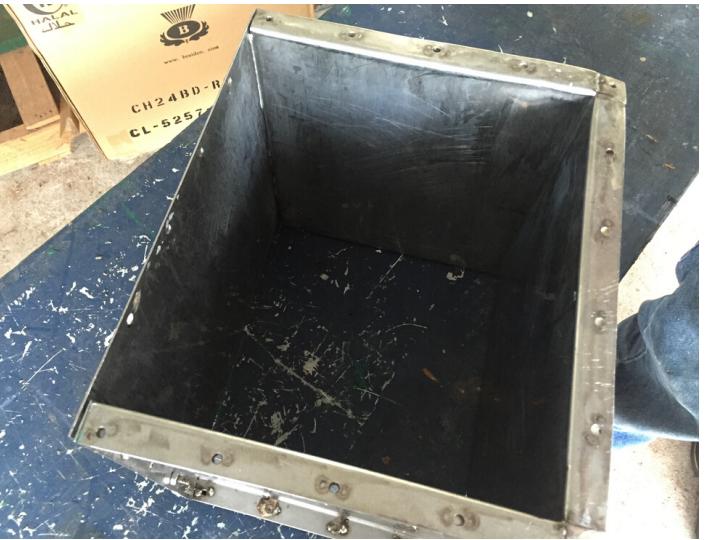


# CONTEXT

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## About a soap factory

This is a factory in Federated States of Micronesia that makes soap out of coconut, the only one soap factory in the whole country. They make a big bar of soap and then use the wire to cut the soap.



# Constraints

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2

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4

# OPPORTUNITY

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- There is an opportunity to make 1.5 millions of bars of soap.
- Field Ready has made 500 hundreds soap with
- Some students in Italy has tried to help:  
<https://wikifactory.com/@obmoloc06/hidden-incentive-soap>

# RESOURCES

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- Report Soap Design by LABA student group in Italy - to be uploaded to HM website ([www.humanitarianmaking.org](http://www.humanitarianmaking.org))
- 3D design of the soap design - to be shared to HM website
- We encourage you to document any designs to meet the [www.openknowhow.org](http://www.openknowhow.org) standard if possible.

• **THANK YOU**

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