



FIELD READY



**HUMANITARIAN SUPPLIES
MADE-IN-THE-FIELD**

Field Ready | Overview



(2)

FIELD READY

Field Ready is a non-profit, non-governmental organization. We aim to meet humanitarian need by transforming logistics through technology, innovative design and engaging people in new ways. We do this by working with a variety of partners and helping to build people's resilience.

We work in a number of places worldwide, such as Nepal, Syria, Jordan, the US and the Pacific Islands. We are a charity registered in a growing number of countries.

The impact of our work is dramatically improving efficiency in aid delivery by meeting needs that are at best only partially fulfilled at present cutting in part by cutting procurement costs and reducing transport and saving time.

What follows in this overview is a brief sampling of our activities, outputs and team.

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KEY ELEMENTS

WHAT SETS FIELD READY APART

WE ARE HUMANITARIAN

We have a deep passion for helping people in the most difficult places on earth. We have the knowledge and experience to follow established standards and practices. We are driven follow the highest ethical standards.

WE KNOW TECHNOLOGY

We were founded to bring the right technologies to international humanitarian assistance. We use appropriate technology where needed and exponential technology, not just today but as it becomes available in the future.

WE ARE INNOVATIVE

We identify and solve problems in areas that others don't dare. We use design thinking and other methods to derive unique solutions.

PROGRAMS





IN THE AFTERMATH OF DISASTER'S, FIELD READY CAN DEPLOY A TEAM OF
EXPERTS WITHIN 72 HOURS. THE
CULMINATION OF EXPERTISE ALLOWS FOR RAPID
ASSESSMENTS TO ADDRESS MANY DIFFERENT
ISSUES AND DEVELOP UNIQUE WAYS TO RESPOND.



LIVELIHOODS

Field Ready strongly favors openly sharing knowledge, imparting skills, providing technical assistance and other support specifically to promote income generation, entrepreneurship and livelihoods. We tailor each program to the specific contexts to maximize the impact for those we are assisting. In some locations this involves demonstrations, mentoring and provision of technology. In others, this involves more extensive support to existing ecosystems such as innovation labs, makerspaces and the local manufacturing sector.

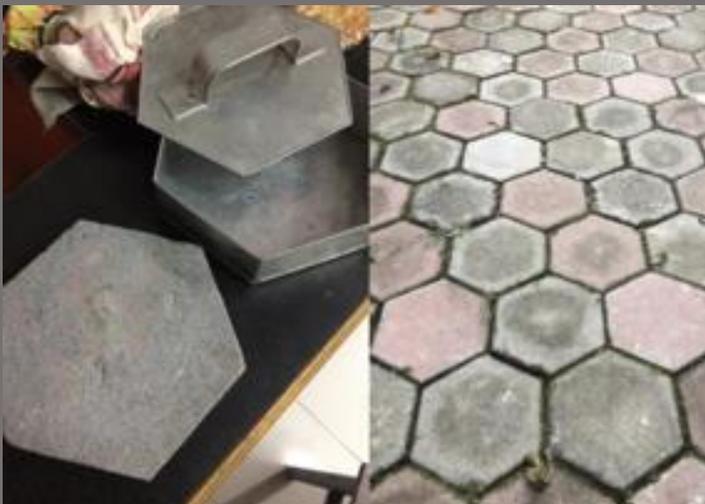


UPCYCLING



Field Ready “upcycles” materials such as rubbish and discarded items and makes truly innovative solutions. Many of the countries we work lack formal recycling infrastructure, thus this method enables us to make items in low-resource settings at a very minimal cost.

**SOME OF THE
ITEMS INCLUDE:
RAT TRAPS,
FURNITURE,
TILES, TOYS AND
VERTICAL GARDENS**





FIELD READY

Humanitarian Supplies

ت في الميدان

www.fieldre

تقييم



PER LA COOPERAZIONE



Un ponte per

للتدريب والدمج الشامل

شامل



بناء جس

مبادرة لدعم العيش و

المجتمعات المضيفة

الإعا

القوة الحركية.

تأهيلية شاملة

للإعاقات

تعزيز

بداياتها

فراط

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INCLUSION

Field Ready is inclusive to a wide range of stakeholders encompassing gender-responsive programming. We recognize that women and men are affected differently in humanitarian situations, where it is only further perpetuated in these contexts.

We aim to engage the most vulnerable populations. For example, in Jordan we are working with local partners to facilitate trainings to teach people living with disabilities how to make mobility aids using a range of equipment.

FIELD READY HAS SIGNED THE CHARTER FOR CHANGE AND PLEDGED TO SUPPORT PEOPLE WITH DISABILITIES BY WORKING TO CREATE JOBS AND ECONOMIC OPPORTUNITIES IN HUMANITARIAN RELIEF.



PLACES



NEPAL

We have been working on medium and long term-recovery, reconstruction and disaster risk reduction since 2015 to meet ongoing challenges in health, water, shelter and livelihoods faced by internally displaced people and others affected.

We are providing practical support to aid agencies through digital manufacturing, as well as working to build the capacities of local maker spaces and Nepali entrepreneurs. Better health, nutrition and WASH outcomes are being achieved through improvements to the design of practical items and training others in advanced technology.

**“BEING ABLE TO DO THINGS QUICKLY
AND ON THE SPOT AND NOT
WAIT IS VERY APPEALING, ESPECIALLY IN NEPAL
WHERE GETTING THINGS IS A
VERY BIG PROBLEM.”**

**-AMERICAN RED CROSS
NEPAL COUNTRY DIRECTOR**





FIELD READY

JORDAN



The refugee crisis in Jordan is immense and has intensified since the start of the Syrian Civil War in 2011. There are 500,000 Syrian, 60,000 Iraqi and 2 million Palestinian refugees in the country. More than 90% of the Syrians living outside of refugee camps are living under the Jordanian poverty line. This puts a tremendous strain on infrastructure. Field Ready supports the design and the development of products that improve the quality of life for people with disabilities.

IRAQ

We have two main initiatives in Iraq. One in which we developed locally manufactured soap in the Shariya IDP camp in Iraqi Kurdistan. The soap features a 3D printed toy at the center, incentivizing children to wash their hands eventually leading them to a toy. The second program is with Caritas, to 3D print medical supplies for medical facilities in Ninewa Governorate. This program entails Field Ready working closely with a start-up, Mosul Space to build capacity around working with relevant software and conduct quality 3D printing, training, identify medical supplies that need repair and equip local hospitals.



SYRIA

Field Ready's activities are directly contributing to saving lives and reducing suffering in those areas reached by our innovations. Our rescue airbag has directly saved over 40 lives, the hydroponics have provided nutrition to families in need and the medical repairs are enabling doctors to provide much needed medical attention to those in need. Our team is also repairing medical devices in hospitals under attack and iterating new and innovative solutions.



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**RESCUE
AIRBAGS HAVE
DIRECTLY
SAVED
OVER 40
LIVES**



**BY RESTORING
POWER, DIABETES MEDICATION
IS SAFE TO USE, IT
COOLS TROPICAL
HEAT FOR THE
ELDERLY, ENABLES
BUSINESSES
TO RUN AND KEEPS
CHILDREN IN SCHOOL.**

US & USVI

Hurricane Irma has been one of the most powerful hurricanes recorded in the Atlantic. The destruction began in the Caribbean when Irma's winds were a Category 5, the strongest measure on the hurricane wind scale.

Lives, property and critical infrastructure have been lost in over ten countries. Tens of thousands of people have been displaced. In many places, power has been lost. With the loss of power and infrastructure, communication is a major challenge.

Field Ready responded to the USVI, where people are struggling without shelter, food and water. We have been working with a local partner, My Brothers Workshop to address critical needs such as the loss of power.

The island has many broken yet salvageable solar panels. We have been able to repair solar panels and restored power to people suffering.



PACIFIC REGION

The Pacific Region is particularly vulnerable to a myriad of disasters, such as cyclones, earthquakes, tsunamis, tropical storms and volcanic eruptions. Field Ready works in Fiji, the hub for our Pacific Region operations, with our office based in Suva where we cover six other countries.

We are working with UNICEF, USAID and the Australian Humanitarian Partnership (AHP), which has a five-year AUD \$50 million commitment from the Australian Government to support humanitarian efforts through trusted NGO partners.

Some of the projects we are working on include the development of two latrines, one that is lightweight and portable for disasters and another that is compostable; an early warning weather system; and, building initiatives around plastic recycling. With a maker space in Fiji, this will serve as a hub for local manufacturing and trainings.



FIELD READY
RESPONDED
TO THE AMBAE
VOLCANO IN
VANUATU BY
MAKING 53
BEDS FOR
VULNERABLE
EVACUEES
USING LOCALLY
SOURCED
MATERIALS



PRODUCTS



HYDROPONICS



Hydroponics is the process of growing plants in sand, gravel, or liquid, with added nutrients but without soil. We have been using this method in Syria, where food insecurity is rampant. Field Ready built the system, which included the tubes the crops sit in and an electronic control system to feed in the nutritional solution, from locally available materials, and has since made many iterations of the design.

Growing plants locally is much more affordable than importing them, it is less than 7% of the cost of imported produce. Some of the crops we have grown include, eggplant, peppers, beans, peas, water cress and spinach.

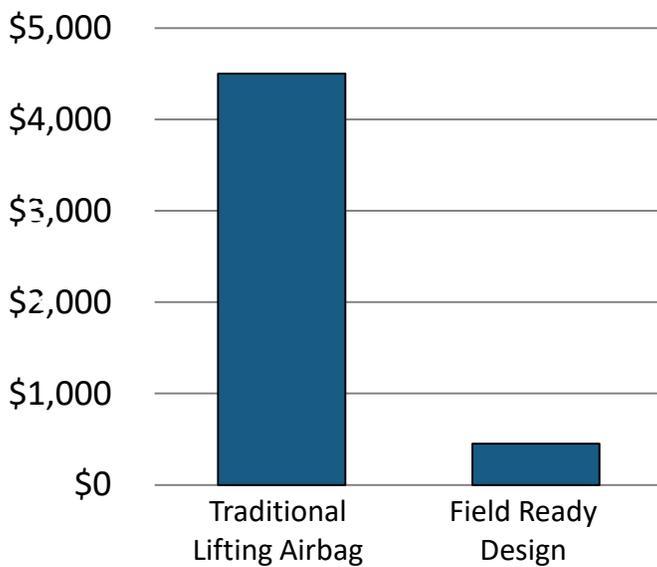
Our hydroponics have been able to provide nutritional support for families in need in Idlib.

RESCUE AIRBAG

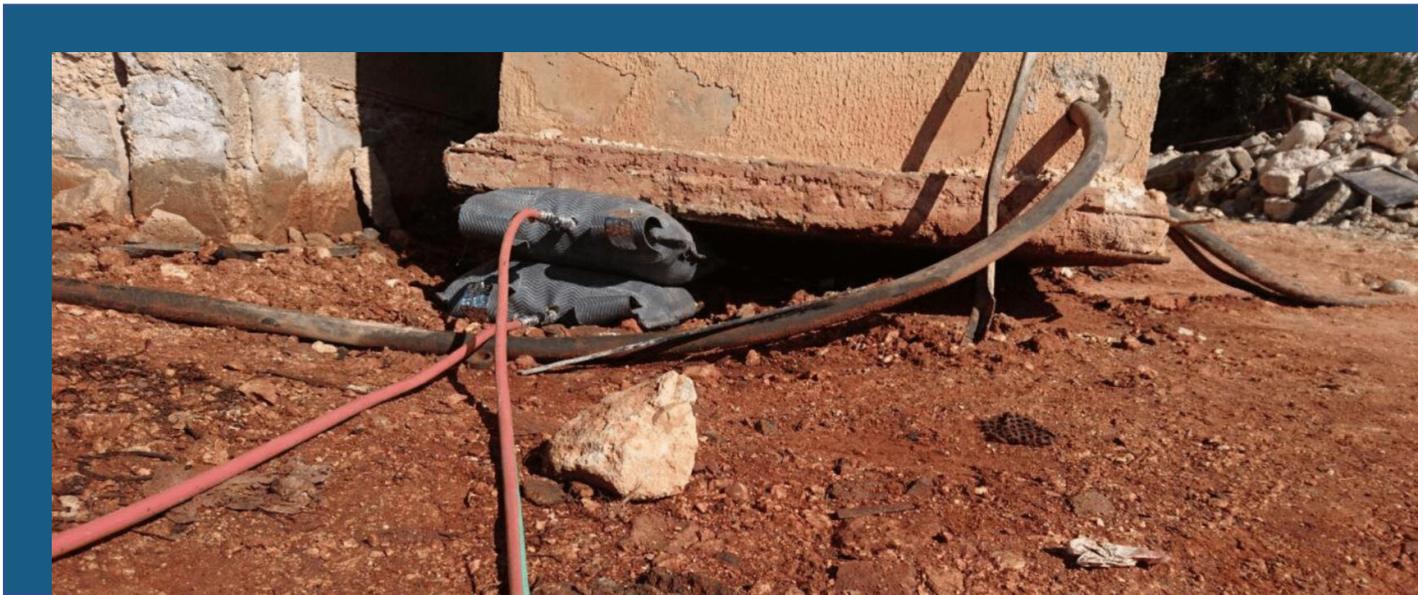


The right rescue tools are needed but the extremes of the war make that a nearly impossible task. For example, to lift heavy debris such as concrete slabs weighing several tons, specialty equipment is needed. Field Ready has created a means to make rescue airbags locally in a way that meets international standards for a tiny fraction of their commercial cost.

Cost Comparison



THE LIFTING AIRBAG HAS DIRECTLY
SAVED OVER 40 LIVES, CAN
LIFT 5 TONS AND
COSTS 1/10 OF THE MARKET EQUIVALENT.



MEDICAL REPAIRS

Field Ready has been repairing medical devices in a number of hard to reach places. With increased attacks on hospitals in Syria, repairing a range of medical devices has been life-saving.

Some of the items we have repaired include, a dermojet needle, V.A.C devices and a bone-drilling machine. In addition to rapid repairs of medical equipment, Field Ready has been able to make improvements on original designs so they work more effectively. One of the items that we have is an alarm to unit to monitor the temperature of a refrigerator to store blood since medical grade ones are often unavailable.

Field Ready has also made and designed numerous medical disposables, including; fetoscope, otoscope, kidney tray, braces, forceps.



A repaired stand for an ultrasound machine



**OUR IMPACT:
DATA FROM 2017**

384

USEFUL ITEMS DISTRIBUTED

78

UNIQUE DESIGNS MADE

6

COUNTRY PROJECTS

572

PEOPLE TRAINED



ON ST. THOMAS
(PICTURED) WE
RESPONDED TO THE
HURRICANES BY
REPAIRING DAMAGED
SOLAR PANELS AND
RESTORING POWER
TO THOSE IN NEED



PHOTO CREDIT: WINDY FILMS

PEOPLE







***"THE NEXT TIME YOU ARE
FACED WITH A CHALLENGE,
BEFORE YOU GIVE UP-TAKE STOCK IN WHAT
YOU HAVE. PEOPLE YOU ARE
SURROUNDED BY. YOUR OWN INGENUITY.
YOUR OWN GRIT. FIND YOUR RESILIENCE. THAT AND
MAYBE A BIT OF DUCT TAPE."***

-DARA DOTZ



Susan Long

Innovation Advisor,
Syria Response

SUSAN LEADS THE PROGRAM DEVELOPMENT AND MANAGEMENT ACROSS THE MIDDLE EAST. WITH A BACKGROUND IN PRIVATE SECTOR DEVELOPMENT AND A DEGREE IN ENGINEERING, SUSAN BRIDGES HER EXPERTISE TO SUCCESSFULLY IMPLEMENT PROGRAMS ACROSS THE MIDDLE EAST. SHE IS WORKING TO OVERSEE A NUMBER OF PROGRAMS, FROM RESCUE TECH IN SYRIA TO IMPLEMENTING WASH INITIATIVES IN IRAQ.





Ade Ogunniyi

Technical Advisor,
Pacific

ADE HAS A BACKGROUND IN ENGINEERING AND HAS BEEN HEAVILY INVOLVED IN THE MAKER MOVEMENT AND STEAM EDUCATION.

AS THE TECHNICAL ADVISOR TO THE PACIFIC, SHE IS PILOTING NUMEROUS PROGRAMS, FROM LEADING EMERGENCY RESPONSE IN VANUATU, TO DEVELOPING A LATRINE TO BE USED IN EMERGENCIES.

Mr. KC

Nepalese Innovator
whom collaborated
with Field Ready to
bring his clean
cookstove to scale. He
has been contracted to
sell over 4,000



“Local manufacturing has the promise of having an outsized impact when it meets the right place, at the right time.



Abi Bush: Engineer

Field Ready locales: Nepal, Jordan

Vanuatu, Fiji, Timor-Leste and her native UK

Key Impact: Design, Problem solving and Training



Ram Chandra Thapa: Engineer

Field Ready locale: Nepal

Key Impact: Making numerous life-saving devices and training dozens of local makers

HOW YOU CAN HELP

DONATE

In order to continue our work we rely on donations. Please donate to help us save lives, reduce suffering and increase resilience.

Even modest donations can help us expand our reach. Donate at:

<https://www.fieldready.org/donate>

PARTNER WITH US

We are actively looking for partners, if you or your company is interested in partnering with us we are eager to explore possibilities.

JOIN THE CONVERSATION



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