



FIELD READY



Annual Report 2016

**We believe in
empowering
communities
to improve
their
situations
by making
humanitarian
supplies
in the field.**



Field Ready: An Overview

We bring manufacturing to challenging places. Our vision is to meet humanitarian need by transforming logistics through technology, innovative design and engaging people in new ways. We train others to solve problems locally in areas such as health, water and sanitation. We use the latest technology as well as traditional machines. We work worldwide and currently have projects in Syria and Nepal.

The impact of this 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. Field Ready is a US-based 501c3 non-governmental humanitarian organization.



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Field Ready's Leadership Message

Strategic Highlights

Our goals are to reduce humanitarian suffering on a large scale globally in a way that ultimately transforms international aid making it faster, cheaper and better than what currently exists. To do this, we respond with programming in the most challenging situations following a five step process: assess, design, make, share and lead.

We're doing this in an increasing number of places. In 2016, we have amplified our work and expanded the type and number of areas in which we work. We have grown our team and are poised to do scale our approach in an increasing numbers of ways.

Financial Highlights

In 2016, we demonstrated the ability to raise and manage funds, cultivated new partnerships and grew our organization placing us in a strong position going forward.

Operating Highlights

This year we worked in Nepal and Syria with new projects underway. In Nepal, we carried out a range of making, training and innovating activities as the country continues to re-build after the earthquake. In Syria, where the civil war devastates civilian areas, we continue to research and develop ways to save lives. Field Ready carried out a series of assessments and responded to need in health clinics and an IDP camp. We have also established several key partnerships there. Three case studies are provided in this Annual Report to give a sense of our groundbreaking approach.

Looking Ahead

2017 will be a pivotal year for Field Ready. We have big plans and hope to be well along our way in scaling our work by this time next year.



A handwritten signature in black ink, appearing to read 'E. James'.

Eric James, PhD
Co-Founder/Executive Director



A handwritten signature in black ink, appearing to read 'Conrad C. Nowak'.

Conrad C. Nowak, Esq
Board Chair



**Michäel Gäthögöo at
the MakerNet pilot in
Nairobi.**



Transforming aid in Nepal



“Small changes can save lives”

On 25 April, 2015, a severe earthquake struck the small mountainous country of Nepal leaving roughly 9,000 people dead and thousands homeless. Following on-the-ground assessments, we determined how Field Ready could best contribute to medium and long-term recovery, reconstruction and disaster risk reduction efforts and deployed in December 2015.

Field Ready Solution:

Working with several partners including World Vision’s Innovation Lab, Field Ready has worked to provide 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, and nutrition outcomes are being achieved through improvements to the design of practical items. This is done by working closely with partners to identify needs, inventing, fixing and making useful products, and training others in advanced technology. Examples include medical items including forceps and kidney trays, pipe and electrical fittings, and even custom parts for radio antennas. Repair solutions have also been made to a range of expensive items including baby incubators and dental chairs. Throughout 2016, Field Ready has made and deployed 5625 items, including 625 3D printed items.

Training and capacity-building has also been a key part of our program in Nepal. In 2016, over 600 people attended sessions carried out by Field Ready.

SNAPSHOT

5,000 cook stoves installed to date

Contract for **210,000** to be made

Helps nearly **1 million** people



Field Ready helped Madhukar KC bring his cook stove nearly a decade in the making to fruition.

Saving lives in Syria

“The biggest humanitarian crisis of our time”



The war in Syria is nearly in its sixth year. This has resulted in immense human suffering: approximately 400,000 killed and 11 million people have been forcibly displaced, many to neighboring countries. On top of this massive humanitarian concern, many of the practices, now standard in providing relief, are not possible and as a result, more people suffer and die. Alternative, more innovative means of providing search, rescue and relief in several sectors are required.

Field Ready Solution:

Field Ready's aim is to save the lives and reduce suffering of innocent Syrians who are being targeted by indiscriminate attacks and who suffer from a complex set of problems while refugees. We do this by providing locally made tools and equipment and training makers to solve their own problems with the supplies they have. The right rescue tools are needed but the extremes of the war make that a nearly impossible task.

To lift heavy debris such as concrete slabs weighing several tons, specialty equipment is needed. Lifting airbags are available to well supplied search and rescue teams worldwide which are prohibitively expensive. Field Ready has created a means to make these locally in a way that meets international standards for a tiny fraction of their commercial cost through utilizing these techniques, an incredible amount to save lives.

Other products under development additional search and rescue tools, communications and medical equipment. Each of these will include open source instructions for others to replicate these products. Training will also be provided to others affected by disasters.



Examples of rescue airbag prototypes



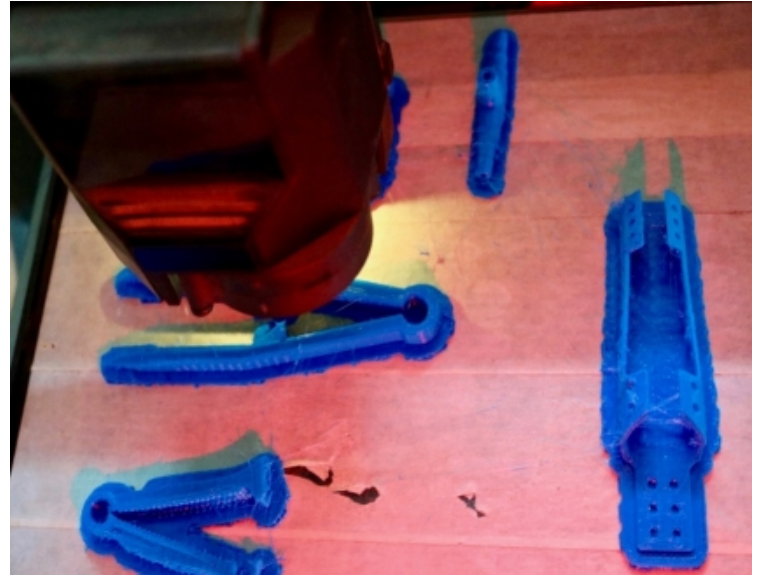


Developing Innovative Solutions

“Innovation can make the world a different place”

Problem:

There is a lack of coordination causing inefficiencies in this area. There is a loss of opportunity due to lack of coordination and costs increase to deliver the basic needs. There is a need to reinvent the way the aid agency operates to better the current method.



MakerNet:

Field Ready is working to support digital and coordination in a variety of capacities. MakerNet is as a system of makers, manufacturers, tools, business models and markets. Its purpose is to enable local production of supplies that meet humanitarian and sustainable human development demands and aspirations. Designed as a bringing structure between existing resources and grassroots networks, thereby mobilising makers' efforts towards advancing global development outcomes like access to basic goods and services and helping communities be more resilient.

The pilot program recently took place in Kenya and was very successful, plans to expand to other countries are underway.

Makepedia:

is a program of MakerNet that is an open source sharing platform. The site is used to sharing designs, mapping designs-in-use and capabilities of machines. An array of parts from different sectors will be featured on the site that other practitioners can use.

Humanitarian Makers:

is another initiative supported by Field Ready. It is a community of aid workers, humanitarians, makers, designers, technologists and others with experience or interest in respective fields working to shrink humanitarian supply chains and support humanitarian response. Humanitarian Makers facilitate lectures, events, online groups and design challenges.

Field Ready: Awards



Selected as one of the “Top 5 Innovators” at the World Humanitarian Summit (WHS) in Istanbul, Turkey.



Selected from among 1,300 programs worldwide as one of the “100 Most Innovative Non-Profits and Social Enterprises of 2016” for the Classy Awards in Boston, MA.



Dara Dotz of Field Ready recognized by the White House as a “Champion of Change”



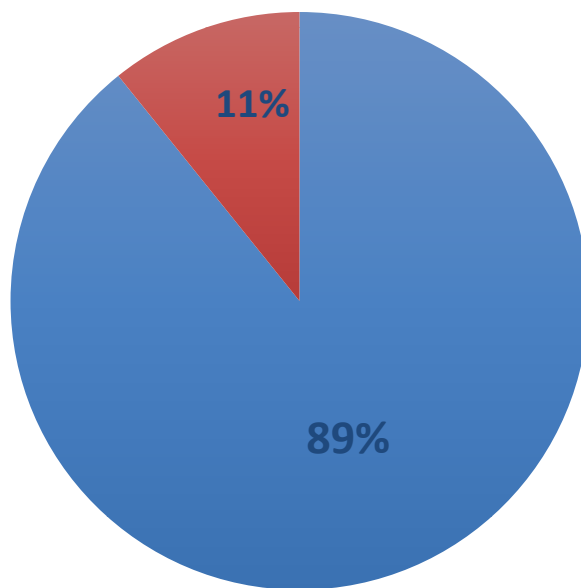
Recognized by the Aid Forum as one of 2016’s “Inspiring Solutions That Save Lives and Support Development”



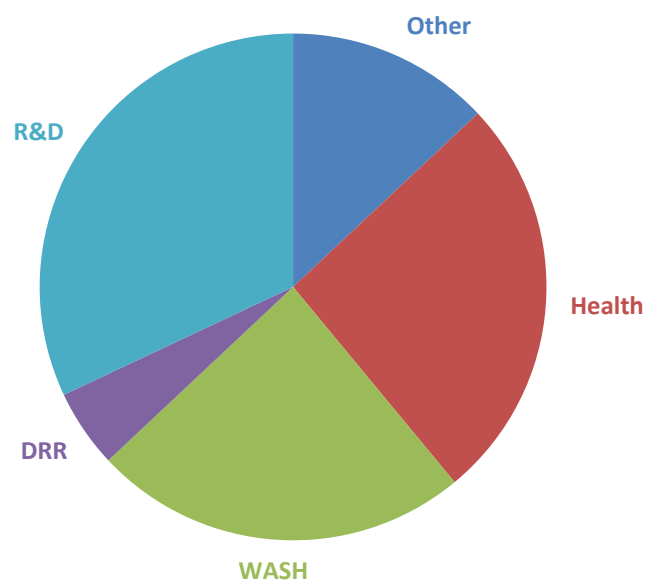
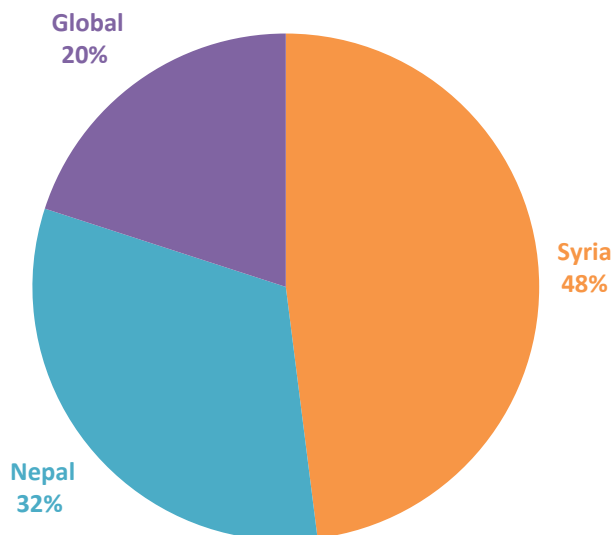
Field Ready: Financials

Field Ready's fiscal year follows the calendar year. During 2016, we raised \$350,237. Our IRS form 990 is available on our website. Our funding was allocated in the following ways:

Allocation of Funding



■ Direct Program Cost ■ Core Support Cost



Partnerships and Donors: Thank you!



THE CHICAGO
COMMUNITY TRUST
AND AFFILIATES



humanitarian
innovation fund



Singularity
UNIVERSITY



FAB FOUNDATION

GlobalHumanitarianLab

Enabling bottom-up innovation powered by people, partnerships and networks

gig GLOBAL
INNOVATION
GATHERING

giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH

Southwest



Field Ready: How You Can Help

Donate

In order to continue our work we rely on donations to reach vast populations. Please consider donating to Field Ready and help us reduce human suffering and expand our reach. Donate at: www.fieldready.org/donate

Partner With Us

We are always looking for partners, if you or your company are interested in partnering or contribute to our work we are eager to explore the potential.

Or if you are a maker, designer, technologist, humanitarian or other innovators and want to get involved with Humanitarian Makers join the conversation on LinkedIn.

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