ENGINEERING

WFP
World Food Programme

SAVING LIVES
CHANGING LIVES

Infrastructure in emergencies

Fortifying emergency preparedness and response through temporary and permanent facilities

WFP Engineering provides cost-effective, high-quality, timely, and sustainable infrastructure to help both WFP and other humanitarian and development actors reach those in need.

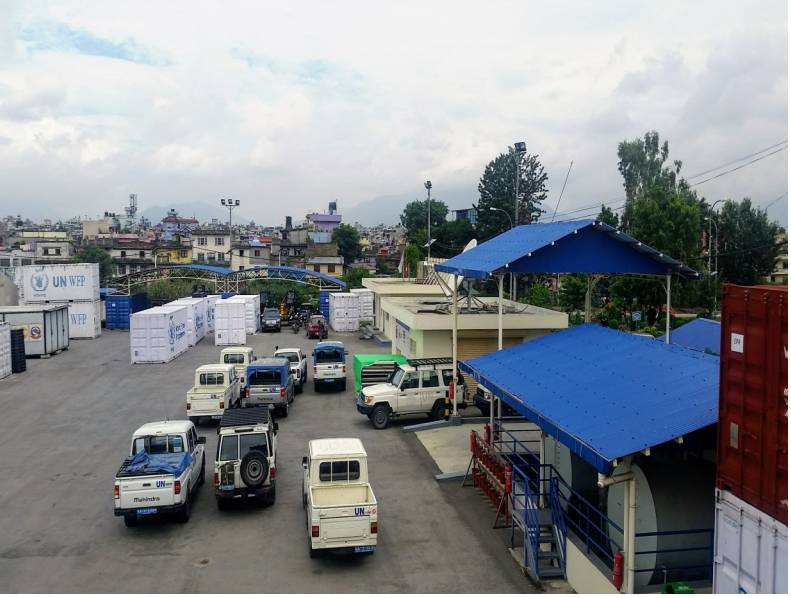
In emergency situations such as **conflicts, natural disasters,** or **health crises**, our primary goal is to protect, restore, create, and enhance basic infrastructure to effectively support affected communities with vital food assistance and other crucial relief items. This involves:

Emergency response: deployment of **temporary structures** to **rapid onset emergencies** in collaboration with Supply Chain dedicated teams. WFP Engineering involvement in the early stages of the emergency ensures better **risk mitigation** as well as greater durability and sustainability of infrastructure.

Emergency preparedness: in strategic longer-term infrastructure contexts where emergency response becomes recurring, more **permanent and durable structures** are needed. Engineering expertise becomes key as the **construction** part is more complex, ensuring sustainable support for communities, fostering resilience and long-lasting impact.

Through technical engineering expertise, we design and implement solutions tailored to the unique challenges of each emergency and country.

July 2024



Kathmandu Hub's role in Nepal's 2015 earthquake response

- Kathmandu hub was launched **just one month before the devastating 2015 earthquake** as the central humanitarian hub for emergency preparedness and response.
- The timely activation of the facility **saved 21 days in response time**, facilitating a faster delivery of relief supplies to those in desperate need.
- This opened the path to the construction of **eleven additional staging facilities** across the country.

OUR EXPERIENCE OVER THE YEARS:

2014

Ebola response in West Africa

In 2014, 2018 and 2019, WFP worked on the construction of medical facilities, camps and logistics hubs across various countries in West Africa, including Ebola Treatment Centres (ETC) with extended capacity. The project also involved the construction of an air terminal in Dakar to support UNHAS operations into affected countries.

2020

Covid-19 response Ethiopia

Establishment of a field service hospital with 90 beds in Addis Ababa, Ethiopia dedicated to the isolation and effective treatment of critical COVID-19 patients. WFP also supported the World Health Organization (WHO) in the improvement of drainage systems of already existing hospitals.

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2013

Pakistan Humanitarian Response Facilities

Implemented aftermath of the 2010 floods that inundated almost one fifth of Pakistan's land area, these HRFs allow prepositioning of Government contingency stocks, enabling a rapid and coordinated response to calamities. The facilities include: warehouse space (from 960 sqm to 4,400 sqm for a total storage of 32,680 MT), open yards for storage of up to 15,000 MT, a vehicle parking and security measures, among others.

2018

Madhu Chara hub in Bangladesh

Located on the upstream side of Cox's Bazar refugee camp, it was established as operational and logistic base for WFP Supply Chain and the Site Maintenance and Engineering Project (SMEP) activities. With a total area of 24,000 sqm, the hub is divided into four areas: (1) logistics hub & engineering workshop, (2) office space and accommodation

2024

Barbados new logistics hub

WFP is working on the construction of a logistics hub and center of excellence to launch large-scale humanitarian responses and enhance emergency preparedness in the Caribbean. The facility consists of three main elements: surge area, 2,500 sqm warehouse, offices and a training facility.

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