

PROPOSAL: DELIVERING RESILIENT SOLUTIONS FOR GAZA

Gaza is grappling with severe infrastructure challenges: unreliable services, prohibitively expensive water, sewage flooding the streets, and shelters that are vulnerable to any shift in circumstances. There is an urgent need for resilient, self-sufficient solutions.

The Jumpstarting Hope in Gaza coalition is committed to creating secure, off-grid shelters for 20,000 people—10,000 in the south and 10,000 in the north. These shelters will incorporate advanced off-grid WASH (Water, Sanitation, and Hygiene) and energy technologies, ensuring sustainability and independence.

These innovative technologies not only provide immediate relief but also deliver long-term solutions that foster self-reliance and resilience for the people of Gaza.



OFF-GRID WASTEWATER TREATMENT PLANT
LAGUNA INNOVATION

KEY ACHIEVEMENTS TO DATE

A strong coalition of international partners has accomplished the following:

Shelter Deployment: Damour and other partners have successfully established four shelters in Al-Mawasi and Hamad, now providing refuge and essential services for over 5,000 people.

Critical Resource Distribution: Delivered essential resources, including food supplies, Non-Food Items (NFIs), and shelter equipment, addressing immediate needs and laying a stable foundation for the affected communities.

Advanced Infrastructure Implementation: In the process of deploying desalination systems for reliable access to clean water, solar power for sustainable energy, off-grid wastewater treatment, and biodigesters to convert waste into energy.

JUMPSTARTING HOPE COALITION



SHELTER
LOCATIONS

WHY DECENTRALIZE IN GAZA

- Rapid deployment, easily replicated and scaled
- Immediate and significant impact on the humanitarian crisis
- Can be deployed simultaneously to the planning of long-term international rehabilitation initiatives
- Allows residents to receive needed WASH & energy services in Gaza while major reconstruction is underway
- Builds capacity towards self-sufficiency and resilience

Immediate Impact, Long-Term Solutions

Our approach delivers urgent relief while setting the foundation for lasting impact. By deploying off-grid WASH systems, solar energy solutions, and decentralized wastewater treatment, we provide essential services like clean water and reliable power. These innovations allow shelters to operate independently from Gaza's unstable infrastructure and perishable goods, addressing both immediate survival needs and reducing vulnerability to future disruptions.

The long-term vision is to create shelters that promote self-reliance and resilience. By equipping these spaces with scalable, sustainable technologies, residents are empowered to manage essential services with minimal external support. This strategy ensures that while we meet pressing humanitarian needs today, we are also creating a pathway toward a more stable and self-sufficient future for the people of Gaza.



Atmospheric Water Generators (AWG) in Gaza
[See article](#)



Treated wastewater trunkline in the Jordan Valley
[See article](#)



Off-grid wastewater treatment plants (WWTP)
[See article](#)

PREVIOUS OFF-GRID TECHNOLOGY PROJECTS