

KOHLER® Unify™

A solution blending solar and generator power to support displaced populations around the world.



Water Mission has been harnessing solar power to pump and disinfect water in various refugee settings. Currently, the switch between solar and generator power is manual. This inconvenience often means the change isn't made and the unit relies on generator or grid power 24 hours per day, increasing costs to the community or refugee camp.

Kohler Co., through its Innovation for Good® program and Water Mission, collaborated to develop KOHLER® Unify, a unique power-blending solution, to maximize the pumps' use of solar energy while allowing the ability to tie in grid power and/or standby generators as needed. Power blending switches seamlessly between power sources, minimizing costs without interrupting the flow of water.

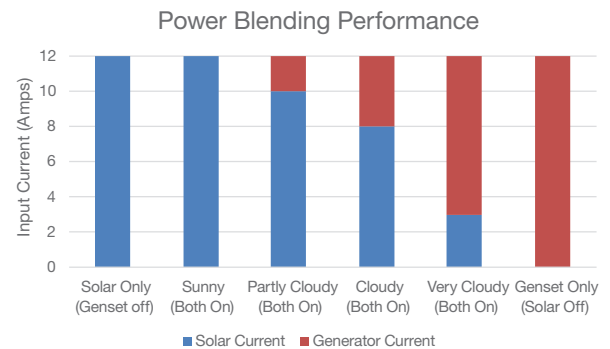
In 2022 Kohler Co. and Water Mission tested this solution in Uganda with a piped water system serving 10,000 of the more than 120,000 refugees at the Rhino Camp Refugee Settlement. A similar system has been tested and in use in Puerto Rico since 2017.

Outcomes in Uganda

The KOHLER Unify™ unit in Uganda has been running daily, ten hours per day since installation in May 2022 for a total of 4360 hours. The existing electrical installation was improved as shown in before and after photos below.



The KOHLER Unify unit's performance capability under various weather conditions shows output stayed constant at 12 amps.



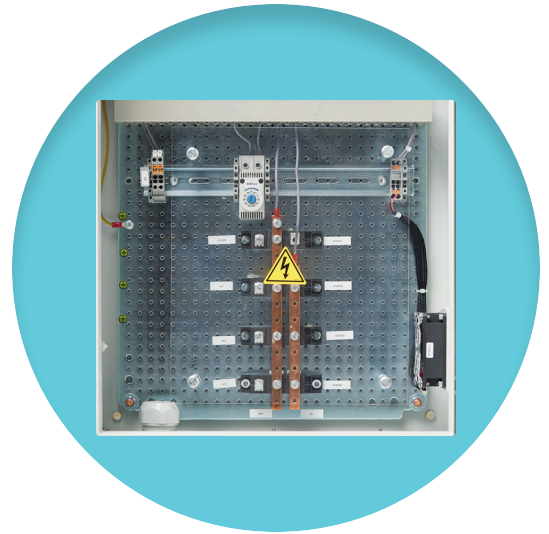
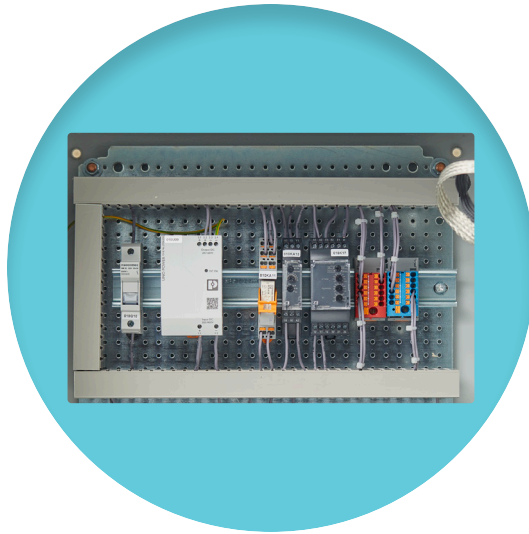
Ongoing Efforts in Puerto Rico

Following Hurricane Maria in 2017, Puerto Rico sustained immense damage to their power systems. Among the most important systems that rely on power is running water. Without reliable power, much of the island was left with unpredictable access to running water. Alongside Water Mission, Kohler Co. provided 27 KOHLER Unify power-blending solutions to Puerto Rico. The systems proved to be able to switch seamlessly between power sources, minimizing costs without interrupting the flow of water and providing many people access to a vital source of life—water.



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1. [UNHRC The UN Refugee Agency Figures at a glance](#)
2. [UNHRC The UN Refugee Agency 2022 Global Report](#)
3. [UNHRC The UN Refugee Agency 2022 Global Report](#)
4. [United Nations UN News](#)

About Innovation For Good®

Innovation for Good (IfG) is Kohler's in-house startup composed of Kohler Co. entrepreneurs who are commercializing business opportunities with a social purpose. Since 2011, IfG has brought together associates from across businesses, skills, and perspectives in an innovation incubator designed to explore products and solutions for pressing global, social, and environmental issues. We believe that the private sector has an important role to play in the development of scalable solutions that improve people's lives, and we are committed to doing our part.

Innovation
for Good®
BY KOHLER®