

.|| CERASYNTH

# SOFC SOLUTIONS

Next-generation solid oxide fuel cells  
for military camps and off-grid installations.



*"Silent. Reliable. Ready."*

# DEPLOYABLE CLEAN ENERGY

Cerasynth's **Solid Oxide Fuel Cells (SOFC)** deliver reliable, emission-free power for military camps, off-grid installations, and field hospitals. Built for demanding operational environments, the systems are compact, mobile, silent, and energy independent.

This is achieved by using high-performance in-house engineered ceramic solutions with superior thermal, mechanical, and electrical properties.



## APPLICATIONS

**Military camps** and forward operating bases

**Mobile hospitals** and field installations

**Off-grid** remote infrastructures

**Microgrids integration** with other renewable sources

# FEATURES

- High efficiency (Up to 60%)
- Silent operation with a low IR footprint
- Zero CO<sub>2</sub> emissions
- **Modular and scalable:** 2 kW and 8 kW units to container-sized systems
- **Fuel flexibility:** hydrogen, methanol, methane, ammonia, CO
- **Emergency fuel modes:** diesel, jet fuel, gasoline
- **Combined heat and power:** heat exhausts for hot water, heating, cooking



*Hydrogen fuel to electricity conversion process.*

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## GET IN TOUCH

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