

# METIS TACTICAL MULTI-PURPOSE INVERTER ENHANCEMENTS

## PROJECT OVERVIEW

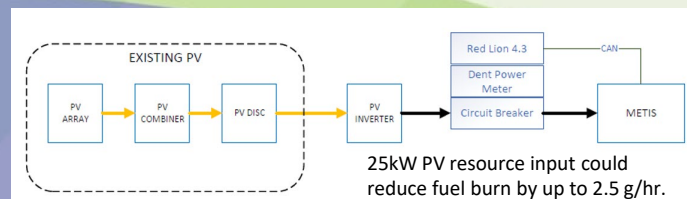
The proposed enhancement kit will provide greater flexibility over a wider range of applications supporting a much broader scope of missions supporting the warfighter in austere environments. This activity is aimed at enabling the integration of renewable, NATO, and host-nation energy resources to the METIS platform while improving efficiency and applicability across a wider range of ambient conditions.

## BENEFITS

Stakeholders/Beneficiaries include USACE, USAF, US Ground Vehicles, USSOCOM, FEMA, and NATO forces. All applications will benefit from greater energy import/export flexibility, reduced fuel burn, and enhanced data acquisition. The energy storage system can be utilized to expand METIS capability as well as a standalone asset supporting tactical and non-tactical EVs.

## PATH FORWARD

The various features will be integrated, tested, and demonstrated at USACE ERDC/CERL CBITEC facility in Ft. Leonard Wood, MO. The METIS system with enhancements will be available for demonstration to the various commands and events hosted at CBITEC and the Army Prime Power School.



Battery Energy Storage Expansion Module can increase METIS stored energy by 150% or be deployed as a stand stand-alone asset.

## DoD Executive Agent

Office of the Assistant Secretary of the Army for Installations, Energy, and Environment

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## FOR FURTHER INFORMATION

National Defense Center for Energy and Environment

<http://www.denix.osd.mil/ndcee/>

USACE/Engineer Research and Development Center

[ERDC \(army.mil\)](http://ERDC.army.mil)

Construction Energy Research Lab

[Construction Engineering Research Laboratory \(army.mil\)](http://Construction Engineering Research Laboratory (army.mil))