NAVALX SOCAL TECH BRIDGE

ETHOR

"Innovation is seeing what everyone has seen and thinking what nobody has thought."
— Dr. Albert Szent-Györgyi

WELCOME TO THE POWER OF eTHOR!

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INTRODUCTION

eTHOR will provide a network of electric vehicles capable of storage, transport, delivery, and exportation of energy in a contested environment. In addition, the system is an agile 5G network infrastructure, deploying and extending 5G's low latency, high bandwidth capabilities to the expeditionary force enabling unmanned systems, artificial intelligence, and all domain command and control.

The goal of the system is to increase the efficiency of energy logistics in a contested environment and provide sufficient network communications to enable the future force.

Electric Tactical Humanitarian Operations Resource (eTHOR)

eTHOR Platform Pilot - Spoke and Hub Ecosystem

BENEFITS TO THE WARFIGHTER:

By combining platform testing with established commercial relationships, this effort unifies 5G and EV platform enhancements with ongoing commercial advancements.

Agile, rapid deployment of a tactical 5G mesh network deploying and extending 5G's low latency, high bandwidth capabilities to the expeditionary force enabling unmanned systems, artificial intelligence, and all domain command and control.

Efficient distribution of electric energy and other materiel.

DESCRIPTION:
A mobile 5G network built on an electric vehicle with exportable energy that will maneuver through a battlefield environment, supporting the exportation of energy and command & control at the point of need.

CAPABILITIES:
- *Electric vehicle capable of exportable energy*
- *5G mesh network deployment and extension*
- *Use modeling and simulation analysis to validate energy logistics and mission effectiveness*

VENDORS:
CANA, Amazon Web Services, DANNAR, Group W

SPONSOR:
Operational Energy Capability Improvement Fund

ENERGY FOCUS

Electric vehicles selected are explicitly designed for energy storage and export using high-density lithium-based batteries.

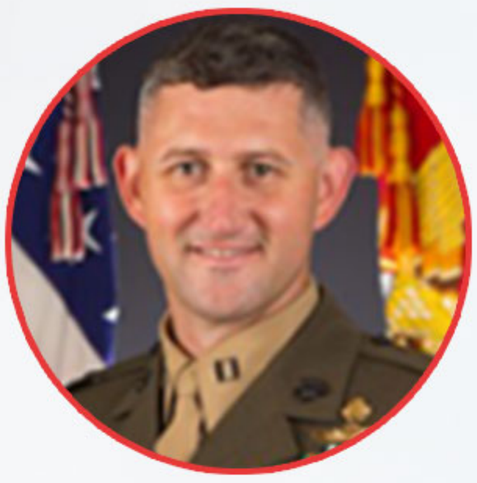
5G MESH NETWORK

5G networking and vehicle telemetry allows real-time reporting and modeling of location and quantity of deployed resources to a common operating picture (COP).

MODELING, SIMULATION & ANALYSIS

MS&A will augment live experimentation by modeling energy implications of larger-scale deployments or other scenarios.

PROJECT eTHOR CONTACTS



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