

HQ USINDOPACOM

Energy in the Indo-Pacific



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A Quick Indo-Pacific History

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December 7, 1941
Attack on Pearl Harbor



American Weekly, Dec 1958
REF ID: A485119
**Our Good Luck at
PEARL HARBOR**

By Fleet Admiral **CHESTER W. NIMITZ, USN**

"The loss of [4,500,00 barrels of fuel oil] would have been well-nigh irreparable. The campaigns against the Japanese would have been so much delayed that they might have established themselves so strongly in the Western Pacific that years of effort would be needed for their expulsion. We might be fighting out there to this day!"

ADM Chester W. Nimitz, USN (Dec 7, 1958)





Our Joint Challenges

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- ❑ Enormous Fuel Demand
- ❑ Geographically Dispersed
- ❑ Fuel Distribution
- ❑ Lack of Self-Protection
- ❑ Signature Management
- ❑ Limited Access & Basing
- ❑ Emerging Warfighting Concepts





Operational Energy Foci

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Powering the Force

Improving the energy security of military missions through innovations that save lives, lower costs, increase resilience, and strengthen warfighting capabilities while lowering carbon emissions

- ☐ Energy Sources
- ☐ Power Generation and Energy Conversion
- ☐ Controls and Power Management
- ☐ Energy Storage
- ☐ Distribution

Electrifying the Battlespace

Enabling the electrification of weapons, platforms, unmanned systems, and soldiers to field new offensive, sensing, active defense, and other technologies

- ☐ Power and Thermal Management
- ☐ Vehicle Electrification
- ☐ Power Beaming
- ☐ Space Solar
- ☐ Nuclear

Commanding Energy

Harnessing energy data and information to better battlespace decisions, including through Joint All-Domain Command and Control (JADC2)

- ☐ Mission Planning
- ☐ Operations
- ☐ Metering and Monitoring
- ☐ Training and Education
- ☐ Modeling and Simulation
- ☐ Analytics and Decision-making



Opportunities & Partnerships

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Operational Energy Innovation Directorate (OE-I)

OE-I leads DOD operational energy communities to provide a common operating picture of OE investments. The Operational Energy Capability Improvement Fund (OECIF) and Operational Energy Prototyping Fund (OEPF) programs develop and prototype technologies that provide tactical overmatch for our warfighters and allies. OECIF invests in analytics to support current policy and shape future policy

www.oeinnovation.mil





Questions?

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“Aut viam inveniam aut faciam”