



NAVFAC

Naval Facilities Engineering Command
EXWC Engineering & Expeditionary Warfare Center



Captain Michael Saum
Commanding Officer
NAVFAC EXWC

DOD's NEWEST STRL



SCIENCE AND TECHNOLOGY REINVENTION LABORATORY (STRL)



BRIDGING THE GAP

DOD Warfare Labs
Technology
Industry
Innovations
Academia
Solutions



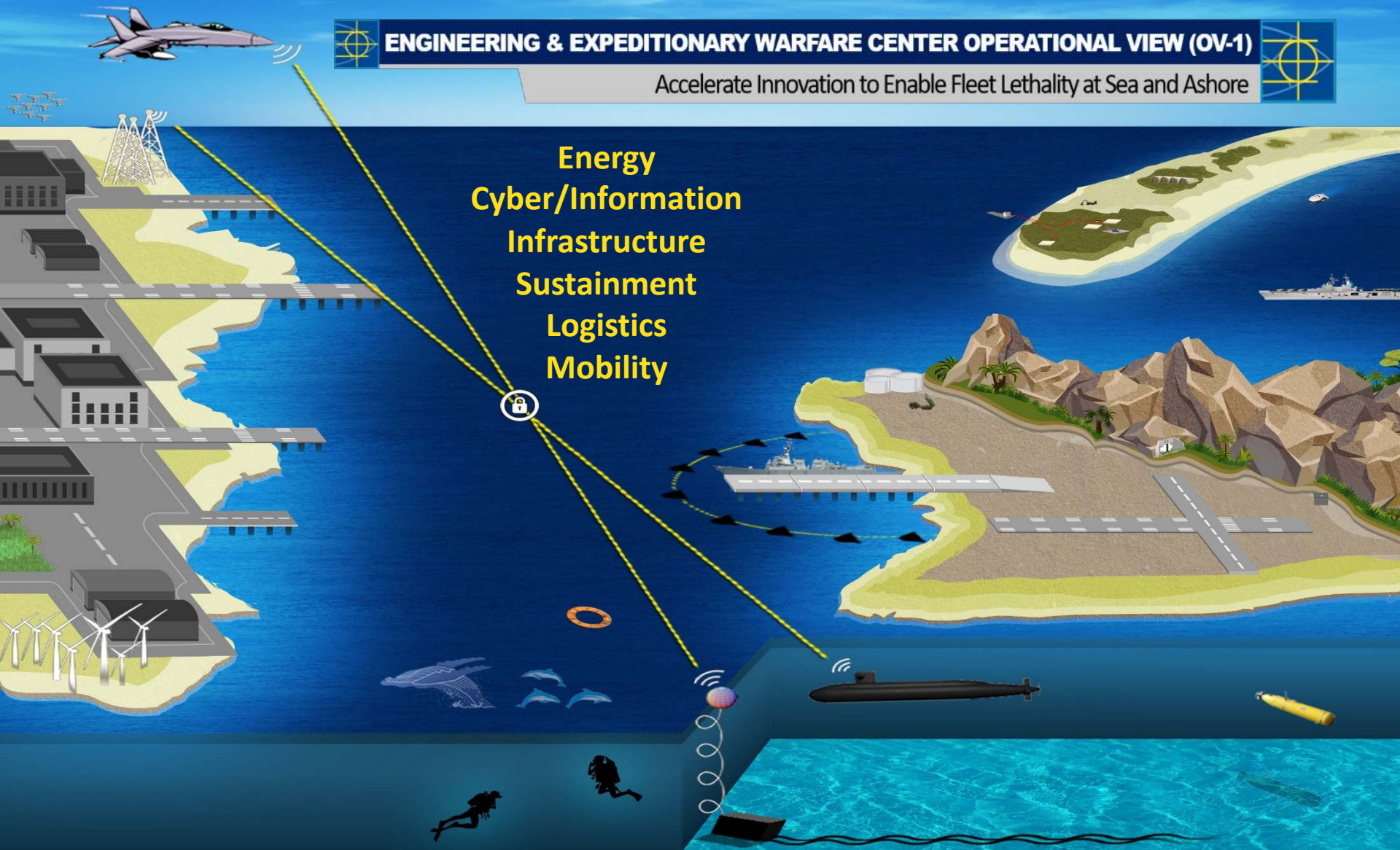


ENGINEERING & EXPEDITIONARY WARFARE CENTER OPERATIONAL VIEW (OV-1)



Accelerate Innovation to Enable Fleet Lethality at Sea and Ashore

Energy
Cyber/Information
Infrastructure
Sustainment
Logistics
Mobility



ENDURING

BASES				PLACES	
CONUS	OCONUS	COOPERATIVE SECURITY LOCATION	ADV. NAVAL BASES/ FWD OPERATING BASE	EXPEDITIONARY ADVANCE BASE	
Specialized Engineering	↔	Science & Technology	Expeditionary Systems Life Cycle Management	↔	RDT&E



◆ Naval Expeditionary Operations & Logistics Enabler ◆

CONTINGENCY

Key Points of Contact



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Operations
Commander Charles Kubic
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Back Up

EXWC Unique Facilities

- **Ocean Facilities**
 - Deep Ocean Simulation Facility (Up to 35k ft. depth)
 - Shallow Water Test Facility
 - MV Independence
 - ROV Locker
- High Performance/Temperature Concrete Test Facility
- Security Engineering Test Facility
- Seawater Desalination Test Facility
- Mobile Utilities Support Equipment Yard
- Microgrid Test Bed
- Grid Connected Wave Energy Test Site
- Chemistry, Biology, and Material Laboratories
- Construction Equipment Division Facilities

M/V Independence



Shallow Water Test Facility



Deep Ocean Simulation Facility



Chemistry, Biology and Material Laboratories



Seawater Desalination Test Facility



MUSE/Microgrid Test Bed



WARTEC Facility



WETS Facility



Our Focus

Providing Capabilities Over the Lifecycle



Today

Specialty Engineering, ISEA,
Logistics and Procurement

Tomorrow

Research, Development,
Test and Evaluation

Future

Science and Technology



Mobile Utilities
Support Equipment



Expeditionary Fuel
(ABLTS)



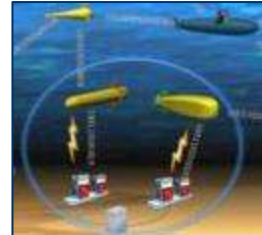
Efficient Expeditionary
Quarters (SUPERCLU)



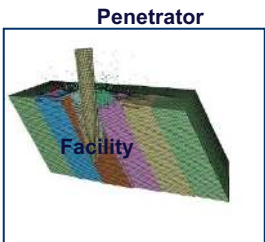
Shore Energy Resiliency
& Cyber Protection



Expeditionary Energy



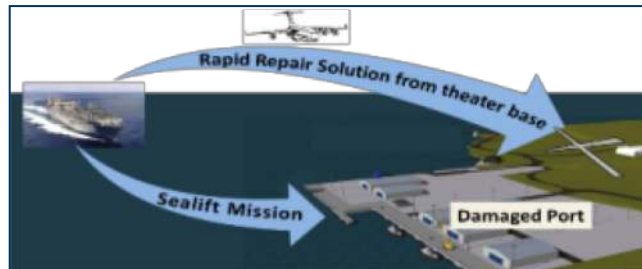
Undersea Networks



Harden Critical
Facilities (HIPPO)



Seabasing



Port Damage Repair (PDR)
Airfield Damage Repair (ADR)



Specialized Facilities



Expeditionary H2O