

# EUCOM STIPL

the tech we need

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*United States*  
**European Command**  
*"Stronger Together"*

# *Mission*

- Defend the Homeland forward and support U.S. strategic interests
  - Maintain ready forces for global operations
  - Secure strategic access and enable global freedom of action
  - Enhance trans-Atlantic security through support of NATO
  - Promote regional stability
  - Counter terrorism

Building Partner Capacity is essential to all our efforts



United States  
*European Command*  
"Stronger Together"

# *Technologies of Interest*

- Building Partner Capacity
  - Multi-modal collaboration tools using non-proprietary software that adheres to internationally recognized open standards and is free of ITAR restrictions
  - Cross-language tools that support mixed-mode collaboration
  - Portable, renewable power generation, storage, and distribution to self-configuring grids



# *Technologies of Interest*

- Situational Awareness
  - Low-cost, configurable, multi-purpose micro-satellites
  - Low-cost micro-satellite launch platforms
  - Long-life, high-density power storage and management
  - Precision location and navigation independent of GPS
- Cyberspace Domain Awareness
  - Enhanced monitoring
  - Reduce reaction time
- Socio-Cultural and Regional Awareness
  - Large data-volume collection and visualization capability across all classifications and specified taxonomies, with modeling & simulation to project alternative futures



# *Technologies of Interest*

- Information Sharing
  - Cross-domain VTC
  - Dynamic language translation for chat and HTML sites
  - Advanced modeling for decision-support of environmental areas of regional interest
- Biometrics
  - High-volume, multi-national biometrics matching capability providing firewalled query access to participating nations' biometrics databases with broad category match indications
  - Lightweight, portable devices providing multi-modal biometric collection, transmission, and verification
  - Advanced biometric identification capability to include: facial; voice; iris; and long-distance, high-speed DNA



# *Technologies of Interest*

- Arctic Domain Awareness
  - Decision-support system to plan for, monitor, and respond to events and activities occurring in the Arctic
  - Support: Maritime Safety; Maritime SAR; Counter-Trafficking; Fishing Enforcement; Freedom of Navigation; Strategic Movement; Hydrographic Surveys; Scientific Research
  - Do for Arctic Environmental Data what Google Maps did for geodetic data
  - Include: Sea-Ice Coverage; Sea-Ice Flow; Water Temperature; Air Temperature; Winds; Sea State; Vessel Location; Vessel Identification



# *Technologies of Interest*

- Enhanced Logistics Capabilities
  - Point of Need Delivery
    - Reduced requirements for supporting infrastructure
    - Reduced dependence on foreign oil
  - Hybrid Airships
    - Green efficiency
    - Heavy Lift
    - Avoid logistics choke points
    - Outsized cargo
    - ISR capabilities

