



Army Installations Strategy (AIS)

↳ AIS Implementation Plan

↳ Army Infrastructure Investment Strategy (AIIS)



**Association of Defense Communities (ADC)
Installation Innovation Forum (IIF)**

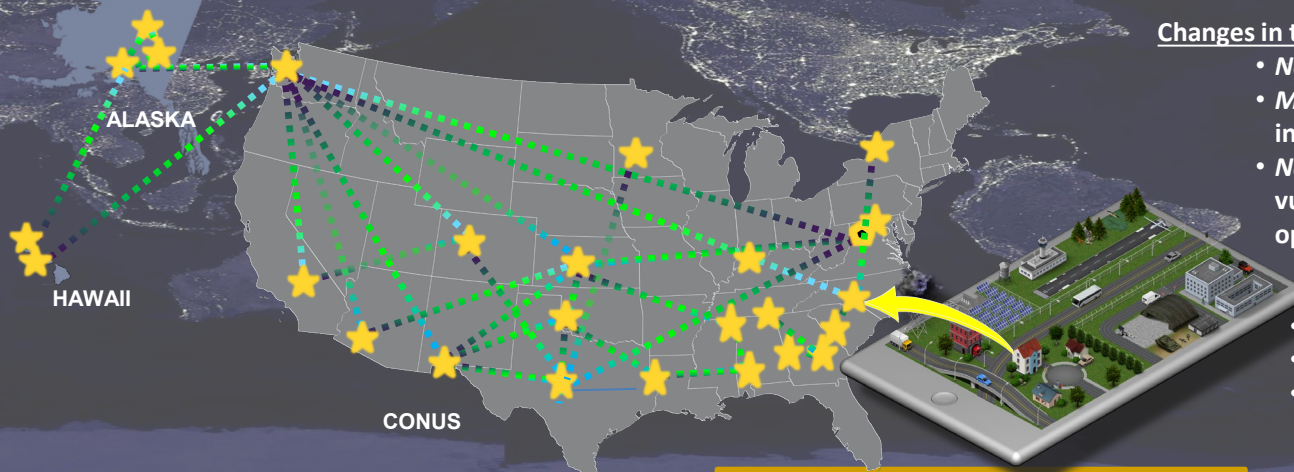
01 Nov 2021



Army Installations Strategy



STRATEGIC SUPPORT AREA



Installations: Army platforms for mobilization, training, People-care, deployment, sustainment, and redeployment

Changes in the Operating Environment:

- *New and Emerging Threats*
- *Multi-domain operations (MDO)*- Installations in the Strategic Support Area (battlespace)
- *New Technologies* – enhance operations; pose vulnerabilities to exploit; create partnership opportunities with industry & communities

Drive the need to:

- Change how we view Installations
- Change our culture / priorities
- Harden protection measures / networks

STRATEGY

II PEG Focus Areas drive POM 23-27 funding requirements to support and enable the MDO Ready Force of 2035

Take Care of People

Strengthen Readiness & Resilience

Modernize and Innovate

Promote Stewardship

INFORMATION AGE INSTALLATIONS

- Operationalize Installations
 - Expand Protection
 - Adapt Resilient Systems
 - Educate / Train the Team
 - Modernize and Secure the Information Backbone
 - Support Army Modernization in the Army Modernization Strategy
 - Transform Installation Operations
 - Reward Innovation
 - Preserve Natural Resources
 - Develop Metrics/Modern Tech
 - Remediate Contaminants
- Data Analytics
- Quality / Functional Facilities
- Partnerships
- Modern Services
- Safe Operations

ENDSTATE

Modern, resilient, sustainable installations, enhancing strategic readiness in a contested MDO battlespace, while providing quality facilities, services, & support to our Soldiers, Families, & Civilians.

PEOPLE READINESS MODERNIZATION PARTNERS AND ALLIES

“...we expect adversary actions directed against the homeland...installations are no longer sanctuaries.”

–Army Installations Strategy, Senior Leaders’ Foreword

ASA(IE&E)



ARMY INSTALLATIONS STRATEGY FRAMEWORK

Lines of Effort	Enablers		Strategic Outcomes	End State
TAKE CARE OF PEOPLE <ul style="list-style-type: none">Adapt Quality / Functional FacilitiesDeliver Modern ServicesConduct Safe Operations	D A T A A N A L Y T I C S	P A R T E R N S H I P S	Attract, Retain, and Enable People	Modern, resilient, sustainable installations, enhancing strategic readiness in a contested MDO battlespace, while providing quality facilities, services, and support to our Soldiers, Families, and Civilians.
STRENGTHEN READINESS and RESILIENCE <ul style="list-style-type: none">Operationalize InstallationsExpand ProtectionAdopt Resilient SystemsEducate / Train the Team			Project Combat Power and Sustain Operations from a Contested Environment	
MODERNIZE and INNOVATE <ul style="list-style-type: none">Modernize and Secure the Information BackboneSupport Army Modernization Initiatives in the AMSTransform Installation OperationsReward Innovation			Modernized Installations Supporting the Modernized Army	
PROMOTE STEWARDSHIP <ul style="list-style-type: none">Preserve Natural Resources / Sustain the MissionRemediate ContaminantsImplement Risk-Informed Metrics and Modern Technologies			Healthy, Sustainable Training, Working, Living Environment	



LOE 1 - Take Care of People

Strategy Framework

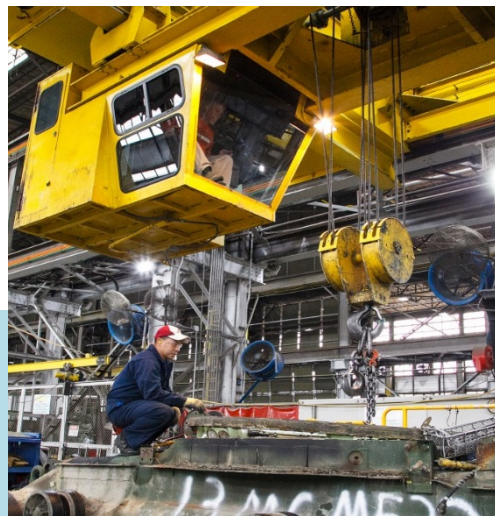
1. Take Care of People

- Adapt Quality / Functional Facilities
- Deliver Modern Services
- Conduct Safe Operations

**Attract, Retain
and Enable
People**

DRAFT Implementation Objectives:

- Modernize QOL Facilities at PPPs & MFGIs (5 years);
Others (12 years) - (AMC Facilities Investment Plan (FIP))
- Modernize QOL Services at PPPs & MFGIs (5 years);
others (12 years)
- Implement the Army Safety and Occupational Health
Management system (ASOHMS)



Anniston Army Depot uses overhead cranes for moving equipment!

Ongoing Demo of Old Housing at Ft. Polk, LA – September 2021



'Safety Star' awarded to Madigan Army Medical Center (MAMC), Jt Base Lewis-McChord, WA 2019



LOE 2 - Strengthen Readiness & Resilience

Strategy Framework

2. Strengthen Readiness and Resilience

- **Operationalize Installations**
- **Expand Protection**
- **Adapt Resilient Systems**
- **Educate / Train the Team**



Fort Detrick, MD: A 15 MW Solar Facility comprised of 59,994 Solar Panels that generates enough electricity to power about 2,720 homes.

Fort Knox, KY: Fort Knox has completed multiple *Black Start Exercises* energy system exercises in collaboration with their privatized utility provider.



Project Combat Power and Sustain Operations from a Contested Environment



Fort Carson, CO: A 4.2 MW / 8.5 MWh battery energy storage system that is the largest peak-shaving battery on an Army installation and will offset peak electric use to reduce installation energy costs.



Fort Hood, TX: The Army's first hybrid solar and wind energy Power Purchase Agreement has a capacity of approximately 65 MW AC, enough to power about 21,000 homes.

DRAFT Implementation Objectives:

- Develop “Installations Operations” *Doctrine*
- **Capabilities Based Assessment - Installation Ops**
- **Protection:**
 - Provide Threat Info to Installations
 - **Common Operating Picture- Installation Status**
- **Resilience:**
 - “Black Start Exercises” (Ft. Hood: Spring 22)
 - **Expand use of Micro grids**
 - Complete & Implement Energy & Water Plans (IEWPs) findings
 - Implement **Governance for Control Systems**
 - **Develop an ROI model to price Installation Resilience**
- **Training:** Professionalize, Institutionalize & Improve Installation Operations Capabilities



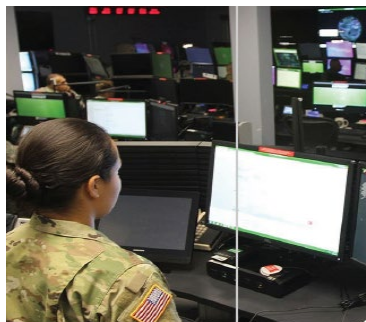
LOE 3 - Modernize and Innovate

Strategy Framework

3. Modernize and Innovate

- *Modernize & Secure the Information Backbone*
- *Support Army Modernization Initiatives Transform Installation Operations*
- *Reward Innovation*

**Modernized
Installations
Supporting the
Modernized Army**



Installation COP –
Readiness Center



5G Depiction – 4G/5G
IoT Pilot for Data Fusion
Ft. Carson



IoT UGV Proof of
Concept - Ft. Carson

DRAFT Implementation Objectives:

- Execute requirements for a **secure/modern network**
- **Better align facility planning to weapons acquisition (Business Process Reengineering)**
- Modernize Affordable Facility Designs / Standards (**Versatile Design/Build Infrastructure**)
- Advance Installation Modernization with Proofs of Concept (**Installations of the Future**) – (Carson FY21)
- **Army Infrastructure Investment Strategy (Fall 21)**
- **Category Management for services/contracts**
- Increase NDA directed Energy Cost Savings (REFORM \$ by Installation)
- **Automated Data systems: Builder, Utilities, Maintenance Management**
- **Implement stationing reforms to link decisions to resources**
- **Expand partnerships, 3rd Party Financing, cost-sharing**



