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Modernizing Mission-Critical Department of Energy Infrastructure

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Modernizing Mission-Critical Department of Energy Infrastructure

How connected project delivery supports secure, accountable capital programs

PROCORE

FOR GOVERNMENT

Department of Energy infrastructure is at a critical crossroads

The Department of Energy (DOE) and its affiliated organizations—including the National Nuclear Security Administration (NNSA), Office of Environmental Management (EM), Power Marketing Administrations (PMAs), and the network of DOE National Laboratories—manage one of the federal government's most diverse and complex infrastructure portfolios, spanning national laboratories, power generation and transmission, environmental remediation sites, nuclear modernization initiatives, and mission-critical research facilities.

Many of these assets are decades old and face increasing pressure from modernization demands, workforce constraints, sustainability goals, evolving security requirements, and growing expectations for accountability.

Still, DOE agencies are accelerating infrastructure programs tied to national security, grid resilience, clean energy investment, and domestic manufacturing priorities while maintaining continuity across active operations.

Beyond the construction initiatives, the real risk begins during planning, funding authorization, reporting, contractor coordination, and program oversight. When program information is fragmented, leaders struggle to maintain visibility and make timely decisions. For agencies, these outcomes affect everything from mission readiness to audit confidence to taxpayer stewardship to long-term asset performance.

Four pillars for mission-ready infrastructure

Capital programs operate within complex regulatory frameworks, multi-year funding cycles, and highly collaborative delivery environments. Building infrastructure that supports long-term mission success requires program delivery strategies grounded in four essential pillars:

1. SECURE PROGRAM GOVERNANCE

Replace fragmented reporting processes with a centralized, defensible system of record that helps strengthen accountability, improve audit readiness, and support infrastructure governance.

2. MISSION-READY CONNECTED DELIVERY

Provide leadership with real-time visibility into schedules, budgets, risks, and contractor performance across distributed programs.

3. WORKFORCE-READY COLLABORATION

Support adoption with intuitive, mobile-first workflows that improve coordination across agency teams, management and operations contractors, architects, engineers, and field personnel.

4. LIFECYCLE INTELLIGENCE

Preserve critical program and asset information from design through operations to support long-term facilities management, resilience initiatives, and future digital twin strategies.

Secure program governance starts with connected data

The Department of Energy manages programs involving laboratories, utilities, regulators, contractors, engineers, and executive stakeholders. When information lives across disconnected systems, oversight becomes more difficult and reporting becomes more time-consuming.

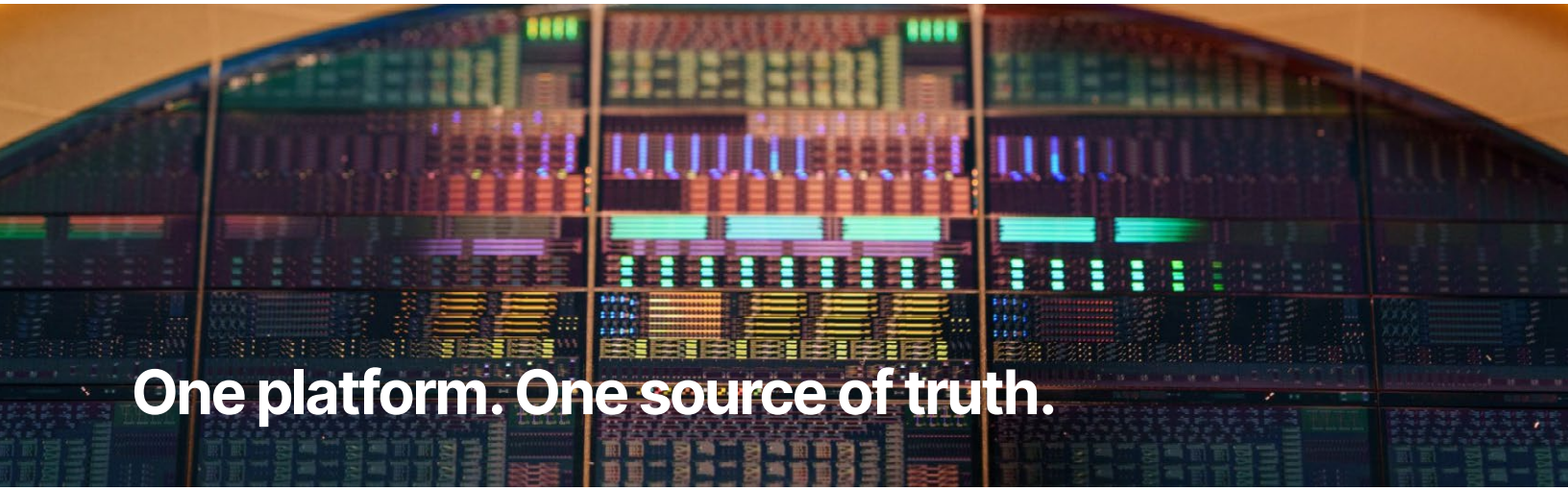
Fragmented data can create challenges such as:

- Limited visibility into cost and schedule performance
- Delayed responses to oversight requests
- Manual reporting processes
- Inconsistent documentation across contractors
- Reduced confidence in program data
- Difficulty maintaining compliance with DOE Order 413.3B requirements

Connected program data helps DOE leaders establish a defensible system of record that supports:

- Transparent reporting
- Consistent governance
- Audit readiness
- Contractor accountability
- Faster executive decision-making

Procore for Government is a FedRAMP® Class C certified platform that centralizes program documentation, workflows, field updates, financial information, and change history across capital programs.



Connected delivery powers mission outcomes

DOE modernization initiatives increasingly span geographically distributed facilities, transmission assets, remediation sites, and active research environments. These programs require coordination across diverse stakeholder groups, including:

- DOE leadership
- Management and operations contractors
- Architecture and engineering firms
- Specialty subcontractors
- Facilities teams
- Environmental regulators

Disconnected communication creates delays, increases rework, and limits leaders' ability to respond quickly when priorities change. Connected construction intelligence helps agencies:

- Improve visibility across capital portfolios
- Identify emerging risks earlier
- Streamline contractor coordination
- Support secure collaboration
- Reduce reporting friction
- Accelerate program delivery

When field conditions, schedules, budgets, and documentation are visible in one place, teams can move from reactive oversight to proactive infrastructure governance.

Preserve lifecycle intelligence beyond program closeout

Critical infrastructure data is often lost during the transition from construction to operations. When program records remain fragmented, the DOE faces challenges with:

- Future maintenance planning
- Facility modernization initiatives
- Asset performance analysis
- Compliance reporting
- Knowledge transfer
- Digital twin initiatives

Connected program delivery helps preserve asset intelligence throughout the infrastructure lifecycle. With a centralized, owner-controlled environment, agencies can maintain continuity across:

PLANNING	DESIGN	CONSTRUCTION
COMMISSIONING	OPERATIONS	FUTURE RECAPITALIZATION

This approach supports long-term stewardship while enabling more informed decisions about infrastructure resilience, sustainability, and operational readiness.

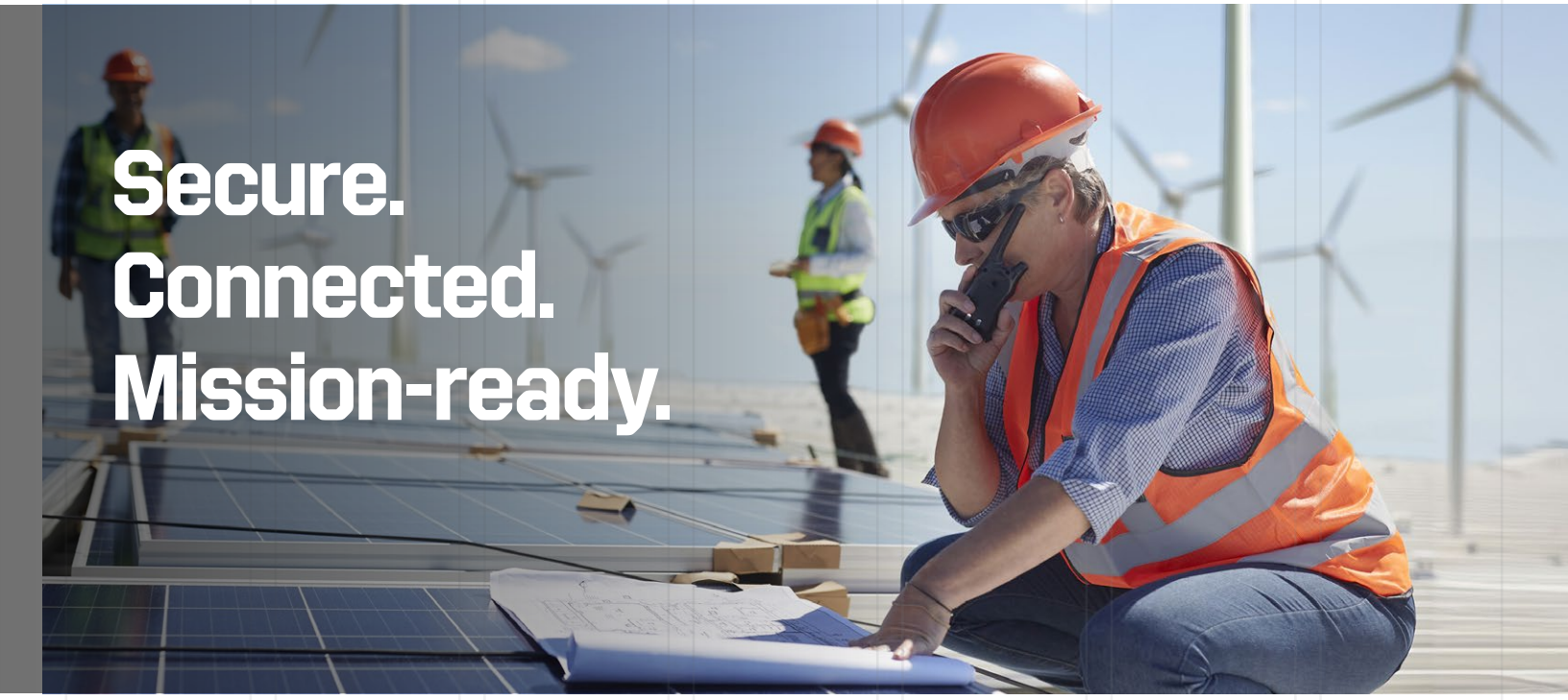
Mission-ready infrastructure starts with a defensible system of record

The Department of Energy aims to modernize infrastructure faster while maintaining security, accountability, and operational continuity. Connected program delivery creates the foundation for mission success.

By replacing disconnected systems with a centralized construction intelligence layer, agencies can:

- Accelerate infrastructure modernization
- Improve capital program visibility
- Strengthen audit readiness
- Reduce operational risk
- Support workforce productivity
- Preserve critical asset intelligence

Procore for Government helps the Department of Energy move from fragmented program oversight to data-driven infrastructure governance, delivering a more resilient, transparent, and mission-ready capital program.



Power the future of infrastructure for the Department of Energy

Deliver mission-critical capital programs with secure, owner-controlled technology purpose-built for federal construction environments.

Procore for Government helps the Department of Energy unify program teams, improve oversight, and preserve infrastructure intelligence across the full asset lifecycle.

Learn More about Procore for Government

Schedule a demo today.