

MEGA PROJECTS: ALTERNATIVE DELIVERY METHOD CONSIDERATIONS

SAME JETS 2025 – LISTENING SESSION

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Purpose: Host a listening session with the Society of American Military Engineers and A/E/C industry on considerations and lessons learned for Alternative Delivery Methods with Mega Project execution.*

*The subject information contained within and discussion is of the sole opinion of the presenter and is not the official stance of the US Government or USSOCOM. My appearance does not imply or constitute Department of War (DOW), nor a respective Military Service or any other DOW Component, endorsement.

Agenda

- **Mega Project – Definition**
- **Mega Projects – Becoming More Common**
- **Potential Benefits of Alternative Delivery Methods**
- **Acquisition and Delivery Considerations**
- **Planning and Design Considerations**
- **Construction Considerations**

Mega Project – Definition

- **USACE defines a mega project as a **large-scale, complex** construction or civil works endeavor with a high cost, often **exceeding \$100M or \$200M.**¹**

**Long
duration
and
incremental
funding**

**Numerous
stakeholders;
Interagency
cooperation**

**Unique
technical
challenges**

**Impact on
public safety,
economy,
and
environment**

**Specialized
teams with
Governance
and change
management**

Mega Projects – Becoming More Common

Stakeholder Requirements

Increasing security and complex technical requirements

Focus on Industrial Base

Recapitalization and modernization of shipyards, bases, and airfields

Increasing Costs

Muti-billion dollar MILCON and capital works projects

Response to Environment

Increase in disaster recovery and resiliency projects

Community of Interest (COI)

Collaborative Delivery

- **SAME Construction COI report from May 2025 identified potential benefits with alternative delivery methods².^{**}**

**Better risk
management**

**Integration
of the
designer and
builder**

**Improved
cost and
schedule
certainty**

**Reduced
project
durations**

**Reduced
change
orders,
claims, and
disputes**

****Alternative Delivery Methods include Design Build to Budget (DB2B); Progressive Design Build; Early Contractor Involvement (ECI); Construction Manager at Risk (CMAR), etc.**

A/E/C Industry Discussion

Acquisition Considerations

- **Acquisition and Delivery Decision Considerations**
 - **What is your experience for how Alternative Delivery Methods manage and shift of risk?**
 - **Which methods best capture, complex and complete customer requirements?**
 - **What are the recommended measures of success or key performance indicators for alternative strategies?**
 - **What are your recommendations for other engagements?**

A/E/C Industry Discussion

Planning and Design

- **Innovative and Adaptive Planning and Design**
 - **What are your thoughts on consultation with innovation and tech industry during planning? Design?**
 - **What should be considered for facilities of the future while still complying with all military construction standards and requirements?**
 - **What should be considered for unique design (e.g., secure spaces, potential data center, utilities and power generation, environment)?**

A/E/C Industry Discussion

Construction Execution

- **Construction Execution Considerations**
 - **What should be considered for unique construction (e.g, secure spaces, data centers, utilities or power generation, environmental)?**
 - **What should be considered with location (e.g. PLA, labor access to installation), site (e.g, confined for laydown or storage) and constructability?**
 - **What should be considered with phasing?**

Questions?

References

1. **“Kansas City District Mega Projects: Building America’s Future with Vision and Partnership.”** ww.army.mil, 10 July 2025,
www.army.mil/article/286974/kansas_city_district_mega_projects_building_americas_future_with_vision_and_partnership. Accessed 17 Oct. 2025.
2. **“SAME Perspectives: Collaborative Delivery Federal Policy Recommendation.”** SAME, 9 May 2025,
www.same.org/news/same-perspectives-collaborative-delivery-federal-policy-recommendation/.