

The Practitioner's Perspective on Generative Artificial Intelligence

Panel:

Gary Troop, Encore Analytics
Steve Goller, ClearPlan
Josh Kanner, Oracle
Zack West, DOE

Moderator:

David Kasprzak, ClearPlan

- **David Kasprzak** (“Casper-Zack”)
 - 25 years in Project Planning & Controls
 - DEA, CSC, BAE, RTN, some others
 - Last 5 years with ClearPlan
- **Actively exploring the rise of Generative AI and other AI Technologies**
 - Established LinkedIn Group: AI Tools for Project Management, Planning and Controls in February 2023

The Panel



- **Gary Troop**
 - President, Encore Analytics
- **Steve Goller**
 - Manager, Program Integration & Technology, ClearPlan
- **Josh Kanner**
 - Sr. Director of Product and Strategy - Intelligence Cloud, Oracle
- **Matthew (Zack) West**
 - General Engineer – U.S. Department of Energy Office of Project Management

About Generative AI



- **trained to generate responses based on the patterns it has learned from analyzing vast amounts of human language and other data**
- **Large Language Model (LLM) that responds to text-based inputs, or “prompts”**

The Ups and Downs



- **Positives**
 - Drafts
 - Ideation
 - Summarizing
 - Fine Tuning

- **Negatives**
 - “Hallucinations”
 - Cybersecurity
 - Copyrights
 - Bad Apples

Topic 1: The Current State of Generative AI within Project Management, Planning & Controls



ChatGPT, Claude, Bard, Cohere, Midjourney, Stable Diffusion, etc. have all raised awareness and interest in Generative AI tools.

Now that the technology has become so popular, what are we seeing within the Defense industry as a result?

Topic 2: How might the introduction of AI technology change our work?



Two statements regarding the use of AI are fairly commonplace within the Project Management and AI communities:

- "You will not be replaced by AI. You will be replaced by someone who is proficient at using the AI"
- "80% of a Project Manager's work will be replaced by AI."

Assuming these 2 statements are true, how do you see the practice of project management changing as AI technology evolves and is adopted?

Topic 3: Concerns over Safety and Security

When using Generative AI tools, there are significant risks of unintentional information escapes - which could include items related to corporate financial info, trade secrets, military capability, national security.

How serious do you think these threats are and what should we be working towards to mitigate the risks?

Topic 4: How is AI technology itself likely to evolve?



Several developers have created machine learning / AI tools capable of generating project management documentation and schedules.

Based on your understanding of the state of the technology, how far away do you think we are from these tools becoming viable within the Defense industry?

What AI capabilities would you like to see become a reality?

Topic 5: Preparing ourselves for the future



What should both practitioners and IT Leaders be doing to enhance AI awareness, skill and literacy?

Closing Remarks



Given the discussion we've had here today, what are your thoughts on the future of Generative AI within the PM/PP&C function, within this industry?

Q & A