The Future of Commissioning: Virtual Cx versus Boots On the Ground

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Questions related to specific materials, methods, and services will be addressed at the conclusion of this presentation.
Learning Objectives

At the end of this session, participants will be able to:

1. Explain the theory behind "virtual" commissioning
2. Describe how technology can positively and negatively affect Cx practices
3. Show the relationship between virtual and on-the-ground Cx
4. Teach Owners how hands-on Cx and technical measurements can be integrated to result in best project performance
Agenda

• Introductions
  • Name, Industry Role
  • Name one of the apps on your smart phone that you like the most

• Discussion
  • The Challenge
  • The Opportunity
  • Our Path Forward

• Recap and discussion highlights
How do we navigate the **value** and **challenges** of technology in commissioning?
Discussion Ground Rules
Maximizing our time together

• Respect each other’s opinions
  \textit{This is about our industry, not the people in this room}

• Everyone participates
  \textit{Your opinion not only counts, it’s needed}

• The only bad idea is the one not shared
  \textit{No one knows the future \rightarrow no one knows the right answer}

• The agenda is about discussion, not rigid topics
  \textit{Rabbit holes are expected and encouraged}