



*Digital enablers for project execution –  
dealing with the requirements of today*

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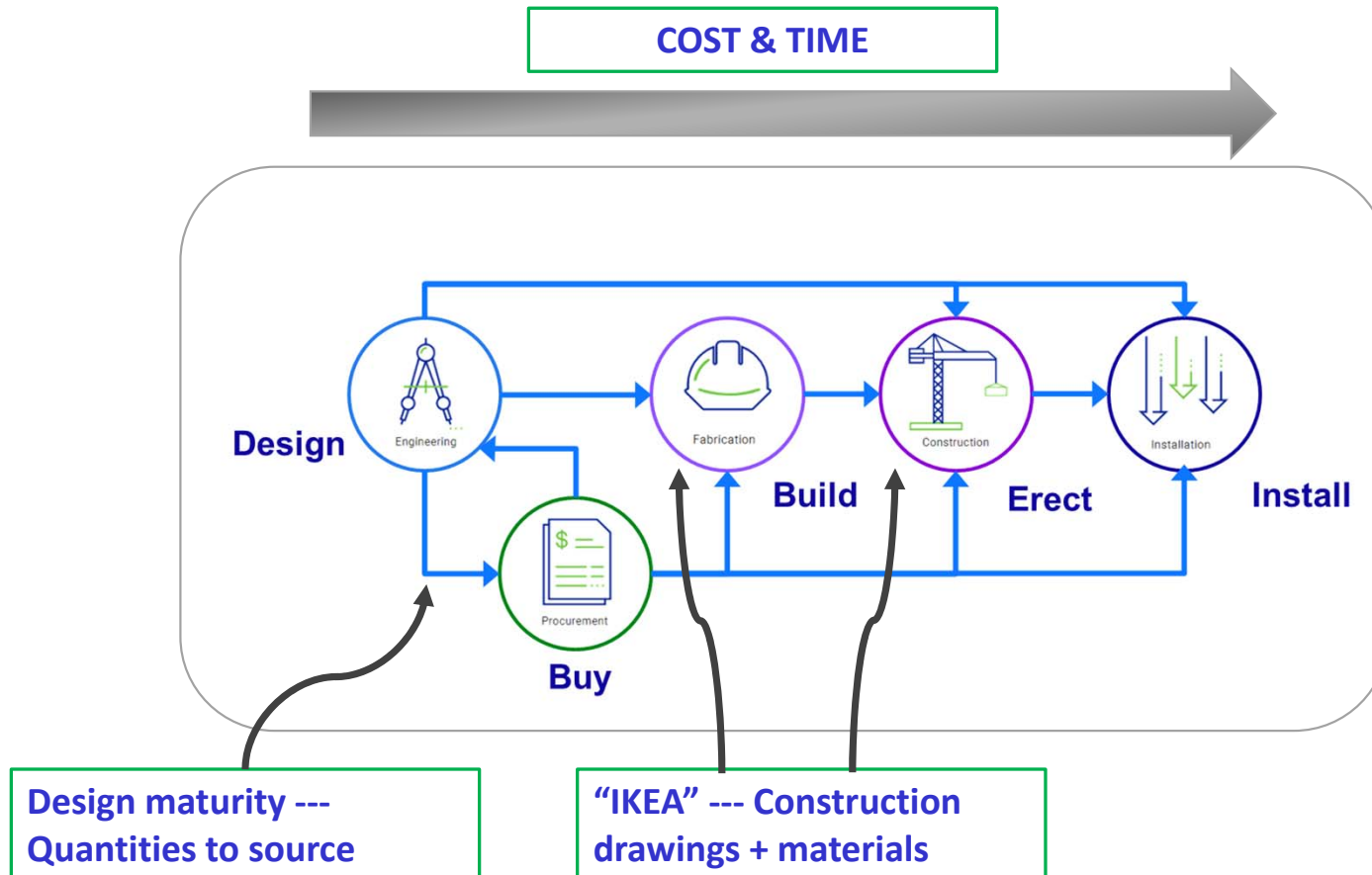


## Key factors in project execution

Transparency | Collaboration | Decision quality | Sustainability

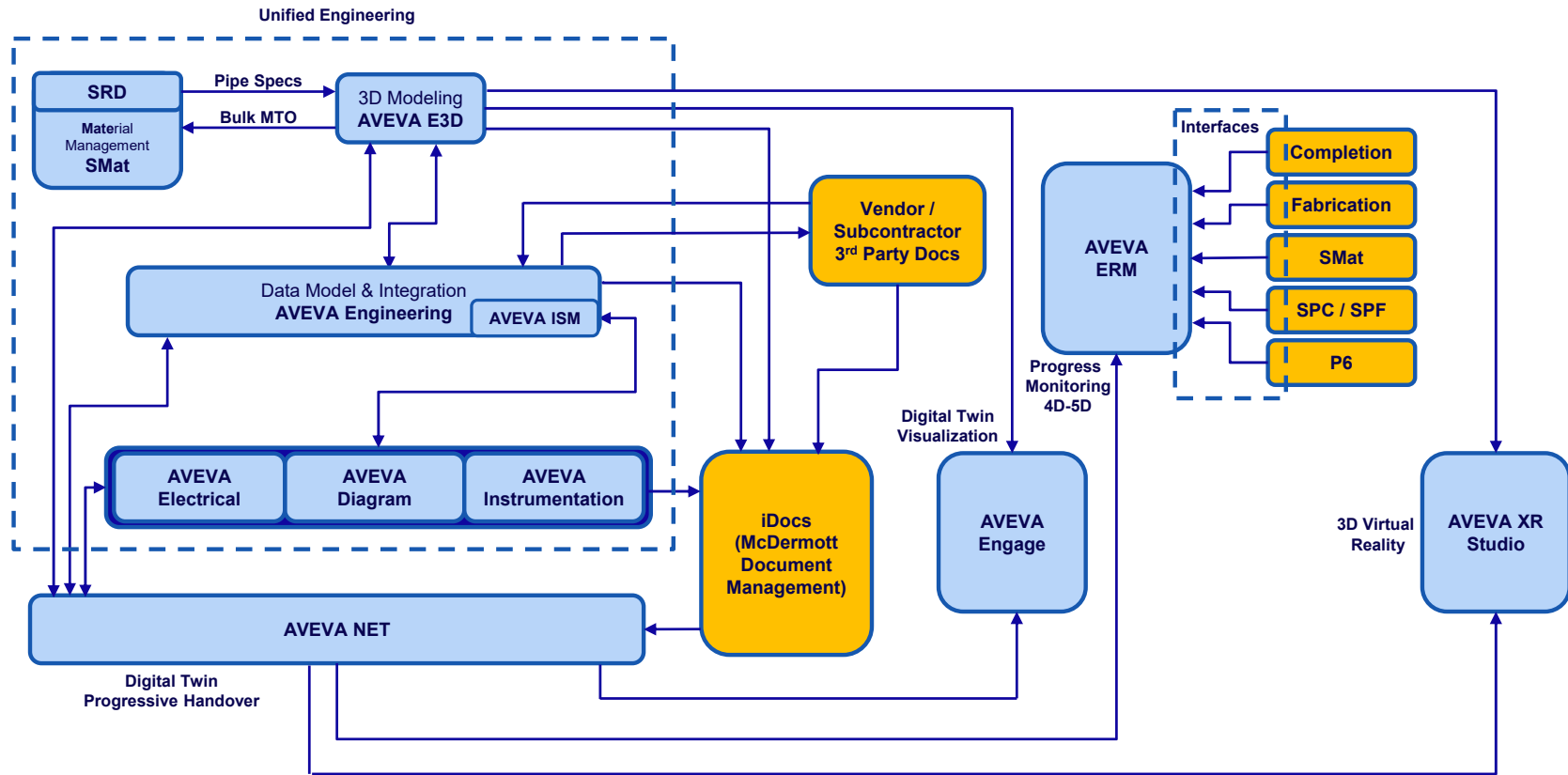
- Post COVID project teams will be even more dispersed (Hybrid Working; Remote resources)
- Access to real time data anytime, anywhere is vital
- Energy Transition projects require fastest time to market
- More with less – scarce resources require enhanced efficiency
- Moral obligation to reduce GHG emissions
- Volatility in the world today require agility to adapt

# THE McDERMOTT DIGITAL PROJECT MANAGEMENT MODEL



- **E – P – C integration**
  - Integration of design tools
- **Digital PM**
  - Visibility on critical activities;
  - Improved decision making
  - Requirements Management
- **Carbon Footprint Analysis**
  - Emissions as a factor in evaluating design and execution options
- **Data and Advanced Analytics**
  - Visibility of performance against targets
- **Advanced Simulation**
  - Dynamic simulations to support design optimizations
- **Life Cycle Data**
  - Digital Handover to Operations
  - Digital thread of development of design

# McDERMOTT - AVEVA PROJECT SET UP EXAMPLE



**GEMINI<sup>XD</sup>**



Project Digital Twin



Digitized Processes



Ease of Use



Reduce Un-certainty



Connect & Alert

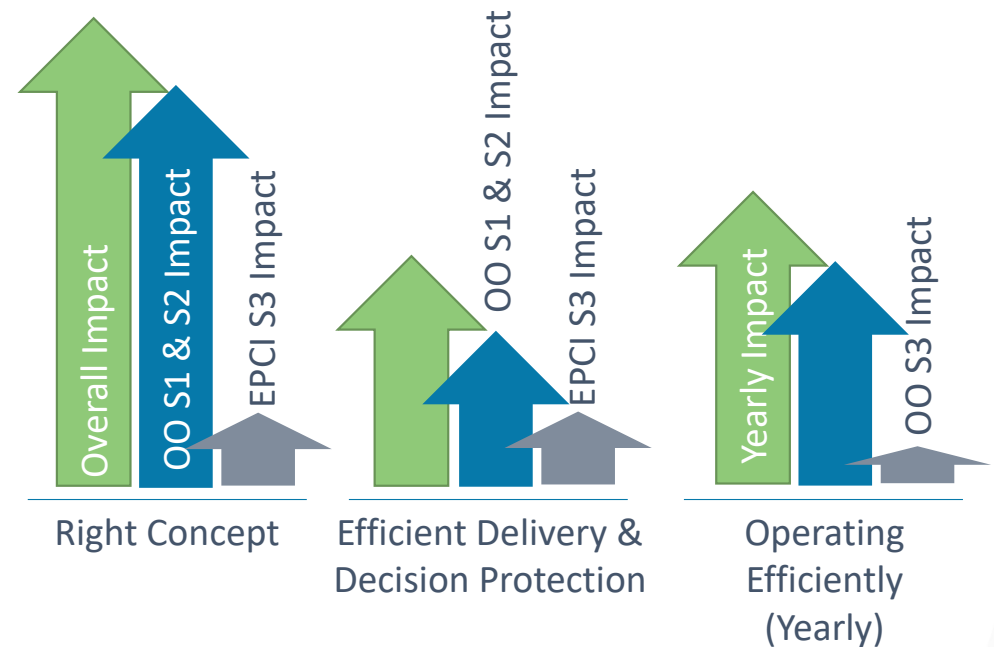


Enhance Transparency and Collaboration





## EMISSIONS ACROSS ASSET LIFECYCLE



### Potential Digitalization Lifecycle Impact

\* Graphics are not to scale

