

Abstract

Model-Based Definition (MBD) principles and practices have gained a lot of traction over the past decade. Many companies have even made it so far as to defining 3D CAD modeling practices and standards only to continue to be frustrated by lack of implementation and adoption of MBD principles. In this presentation we will decompose MBD artifacts (CAD models and various derivatives) into four categories of data elements; geometry, annotations, attributes and presentations states and demonstrate how these data elements are persisted thereby enabling 3D digital capabilities throughout a Model-Based Enterprise. We will then discuss how the use of Agile tools and methods can be leveraged to institute a culture that embraces 3D Model-based capabilities to continuously improve operational processes.

Key Takeaways

Please share 3 actionable takeaways attendees can expect to gain from your session. Takeaways should be full/complete sentences and begin with action words such as, "Gain insight... Learn... Understand... Discover..."

- Identify industry standards to be referenced modeling standards and why they are necessary to accept 3D CAD data as an authoritative source of product definition information.
- Attendees will also learn how standardized MBD data artifacts can be persisted to any and all product definition stakeholders while maintaining their integrity.
- Attendees will learn how to build trusted MBD artifacts and data elements used to define robust, digital