How to Get Started – Level 5 Model Based Definition

Integrated Manufacturing-Integrated Internal Enterprise

The chart below defines the Model Based Enterprise Capability Level 5:

-2D drawing creation & information content Presents geometry and part annotations from the model. No information content - Defines all part geometry Defines all part annotations (including notes, dimensions, PMI, etc.) Model/drawing associatively of the 3D model and verified (2D drawings or the exception) Supplementary Data (Notes, Parameters, non-geometric data) - Notes are defined in a managed database Checking & Model Quality - 3D Model geometry and part annotations validated-semi automation using PLM based tools. 2D drawing or semi automation using PLM based tools. 2D drawing or for plant annotations validated-semi automation using PLM based tools. 2D drawing or for plant annotations validated-semi automation using PLM based tools. 2D drawing or for plant annotations validated-semi automation using PLM based tools. 2D drawing or for plant annotations validated-semi automation using PLM based tools. 2D drawing or for plant annotations of the supplementary data (part annotations validated-semi automation using PLM based tools. 2D drawing or for plant annotations of the plant annotation of the plant annotation of the plant annotation of the plant annotation of the plant a
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validated not to define any annotation content (semi automation using discrete tools) models models decided by the type of relationship with external design authority.

This capability is the first to be truly a Model Based Enterprise. It continues to build upon the previous levels but adds enterprise connectivity. By doing so everyone in the enterprise has up to date access to the product definition and the TDP can be automatically configured.

Summary:

- 3D Models are the master
- Drawings are created by exception
- The model and its meta data are now available across the extended enterprise
- The TDP configuration is automated
- There is full connectivity with the extended enterprise
- Internal and external use of Product Lifecycle Management tools

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