

842 – Digital project execution – Optimizing your assets

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Abstract: Database design tools, which are becoming more and more common, deal with projects from conceptual level to the final design phase. The structure determines the useful & relevant information which is to be captured as well as how it is to be maintained formatted, conditioned, and transferred across the enterprise. The success of a digital project execution hinges on adopting the correct approach, capturing relevant information, and transferring it with minimum effort.

This paper will look at the benefits of classifying, capturing and storage of the relevant information for the project in a digital format and transferring this data from conceptual design stage through to plant operation and maintenance with minimum effort. In addition, the paper will discuss the tool level integration required for optimal project execution and identify key areas of improvement when preparing the stage for digital twins.

The project which will be used as an example is a large energy project. These projects often face opposition due to a lack of credible supportive data from past projects which are now existing installations.