

Fast and Extensive Model Based Project Plan Building in Nuclear Industry

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Abstract Areva investigated a Model Based approach for setting up the Work Breakdown Structure of a nuclear plant project performed in collaboration with other key industrial partners of the energy domain.

Problems to be solved included:

- Manage collaboration between several industrial partners having their own processes, methods and approaches.
- Generate the Work Breakdown Structure (WBS) and Work Packages Descriptions (WPD) for the project.

Modeling benefits were:

- Convergence on a set of generic processes to be applied together with associated standard document types: specifications, justification, design, validation... documents.
- Quick production of WBS from the Product Breakdown Structure (PBS) (e.g. we issued a PBS with ~100 items and got a WBS with more than 100 Work Packages and 1000 documents and items) as a basis for cost analysis and planning.
- An objective and neutral support for project plan enabling more efficient collaboration.

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