

WHAT-IF SIMULATION WITH MOZART WISE®

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ABSTRACT

MOZART® has been used in major memory semiconductor manufacturers and display panel makers for more than 15 years. The simulation-based planning and scheduling system has weekly planning (MP: master plan), daily planning (FP: factory plan), real-time scheduling (APS: advanced planning and scheduling), lot pegging (RTF: return to forecast), and what-if simulation (LSE: loading simulation engine) modules. VMS recently launched a new module named MOZART WISE (What-If Simulation Environment), which is the enhanced version of LSE. WISE consists of experiment designer, executor, and analyzer. We will introduce how to plan scenarios with the designer, and how to analyze the results with the analyzer. We will also present the weight factor optimization result with machine learning as an example.