

Today's Water Quality Issues require Modeling and Simulation

WEST®: The Future of Dynamic Simulation

MOSTforWATER NV

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| DESCRIPTION AND SPECIAL FEATURES |

WEST® is the most powerful and flexible dynamic modeling and simulation software for water quality optimization that is currently commercially available (see Figure 1 for a screenshot). It confirms its high standards continuously, thanks to the input of a worldwide network of preeminent experts, a dedicated support team and state-of-the-art software technology. WEST® uses mathematical models as a representation of real-world systems (such as wastewater treatment plants, drinking water production centers, process water, rivers, sewers and urban catchments).

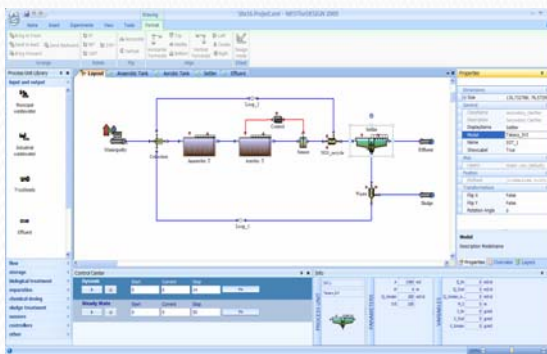


Figure 1.- WEST® is the most powerful and flexible dynamic modeling and simulation software for water quality optimization.

| PRODUCT SUITE |

- ❑ WESTforDESIGN: "Advanced dynamic modeling and simulation to enhance the WWTP design process."
- ❑ WESTforOPERATORS: "Easy-to-use dynamic modeling and simulation to assist operational decisions."
- ❑ WESTforOPTIMIZATION: "Cutting-edge dynamic modeling and simulation to support WWT process optimization efforts."
- ❑ WESTforAUTOMATION: "Seamless integration of dynamic modeling and simulation in WWT process automation applications."
- ❑ WESTforIUWS: "Powerful dynamic modeling and simulation for Integrated Urban Water Systems (sewer, WWTP, river)."
- ❑ WESTforCLUSTERS: "Lightweight distributed execution of computationally intensive virtual experiments."



| USERS, APPLICATIONS and OBJECTIVES |

- ❑ Water Authorities (sewer, treatment and river)
 - More accurate & informed policy, regulations and planning
- ❑ Water Companies and Treatment Operators
 - Cost savings and better effluent by improved operations
- ❑ (Waste) Water Management / Treatment Consultants
 - Efficient project execution (efforts, workload, output)

| INNOVATIVE ASPECTS |

WEST® is used in all stages of a water (treatment) system life cycle, i.e. from supporting design decisions by simulating low and high load scenarios, to integration with supervisory (SCADA) and data management systems. The latter allows for creating decision support systems that aid with day-to-day plant management, all the while saving on costs and guaranteeing the required effluent quality.

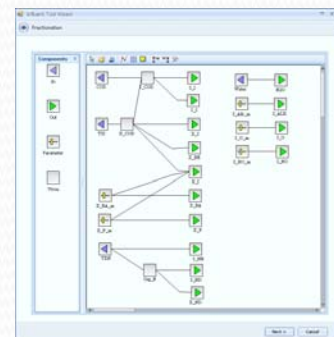


Figure 2.- For efficient model building and systems analysis, a number of additional modules are available, such as an advanced input tool.

| COMPETITIVE ADVANTAGES |

WEST® features unparalleled simulation speed that allows its users to choose model structures based on model features rather than on technical limitations.

WEST® has an extensive model library and a fully open structure that allows for implementing new models, or for modifying any of the existing models (including controllers). A model editor, including a Gujer (Petersen) Matrix editor, is available in order to facilitate these modifications.

For efficient model building and systems analysis, a number of additional modules are available to automate recurring tasks, e.g. an input tool (graphical influent fractionation, data evaluation) (Figure 2), sensitivity analysis, parameter estimation, uncertainty analysis, Monte Carlo simulation and scenario analysis.