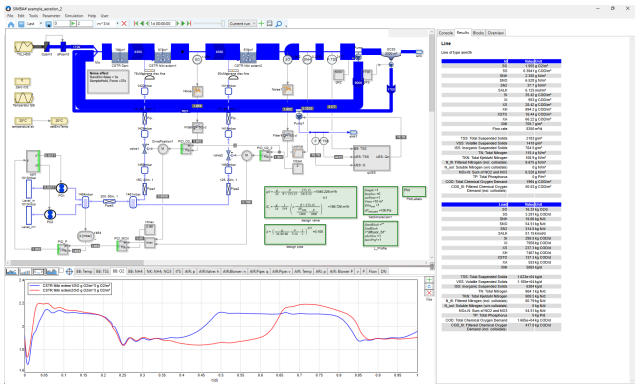
SIMBA#

SIMBA# 7.5

WWTP OPERATORS AND OWNERS

Wastewater treatment plants

A dynamic plant model calibrated on your operating data reveals real capacity, the causes of problems and cost savings – and lets you test control changes safely before applying them in operation.



What SIMBA# does for you

- Operating data analysis, real load and capacity check
- Diagnosis of operating problems and malfunctioning control systems
- Optimisation of aeration, process water, equalisation tanks and substrate dosing
- Energy checks and audits according to DWA-A 216
- Testing control strategies and planning online sensor locations
- Advanced control (ABAC, MPC), soft sensors and digital twin
- Virtual commissioning, monitoring and SCADA
- Micropollutant removal: ozonation and PAC

New in SIMBA# 7.5

- Automatic simplification of hydrodynamic sewer models into hydrological models
- Automated generation of real-time control (RTC) algorithms for sewer networks
- Wizard for analysing WWTP simulations, calibration and optimisation
- SCADA library for live plant integration, Sankey diagrams, .NET 10 platform

Why SIMBA#

- DWA guidelines built into the software
- One model from balance to digital twin
- Developed by ifak e.V. Magdeburg, local support

Get started

- Free trial licence – no time limit
- Training: 2-day courses by field
- Turnkey simulation studies – SEWACO services

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