

SUMO24 Training Course

dynamita
PROCESS MODELING

For participants from Asia, Australia and New Zealand. There will be two sessions held online:

- Session 1: April 30th, 8am – 11am Brisbane time
- Session 2: May 7th, 8am – 11am Brisbane time
- Total Cost – 640AUD /400USD

Includes

- A one-month SUMO24 license
- Training recordings

EMAIL to register

- tanush@dynamita.com

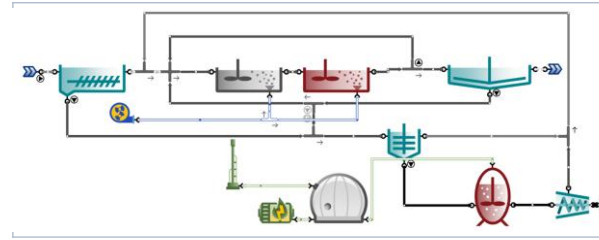


Contact

- web: www.dynamita.com
- for more information: info@dynamita.com

Modeling in Practice

in fundamentals and design applications



| Name | Energy Center | Unit |
|---------------------------------|---------------|------|
| Plantwide electric power demand | 257 | kW |
| CHP unit power generation | 142 | kW |
| Plant electric energy purchase | 6177 | kWh |
| Self sufficiency | 55 | % |

Session 1 – April 30th: Introduction to SUMO24 (3 hrs)

- Assemble a complete biological nutrient removal activated sludge plant and perform both steady-state and dynamic simulations.
- Conduct Sludge Retention Time (SRT) and other advanced calculations.
- Use SUMO24's scenario and analysis mode to investigate process scenarios.
- Examine the impact of minimum SRT on nitrification, actual oxygen requirement, and sludge production.
- Grasp the relationship between the anoxic-aerobic fraction and internal recycle on nitrogen removal

Session 2 - May 7th: Influent Fractionation (3 hrs)

- The fundamentals of influent characteristics and fractionation.
- How to use the fractionation tool to reconcile Biological Oxygen Demand and Volatile Suspended Solids between measured and fractionated values.
- Performing dynamic influent characterization and its impact on process performance.
- Managing municipal and industrial wastewater, with a focus on leachate and the food and beverage industries.