

# SUMO24 Training Course

**dynamita**  
PROCESS MODELING

For participants from Europe and North America. There will be two sessions held online:

- Session 1: July 7th, 9am – 12pm Eastern time
- Session 2: July 14th, 9am – 12pm Eastern time
- Total Cost – 400 USD/EUR

## Includes

- A one-month SUMO24 license
- Training recordings

## EMAIL to register

- [tanush@dynamita.com](mailto:tanush@dynamita.com)

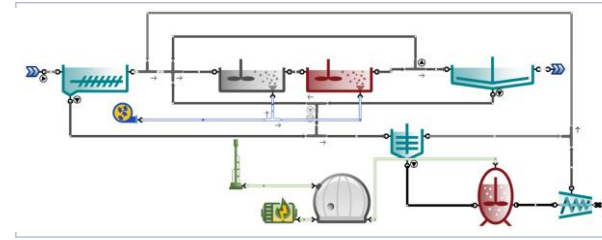


## Contact

- web: [www.dynamita.com](http://www.dynamita.com)
- for more information: [info@dynamita.com](mailto: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 – July 7th: 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 - July 14th: 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.