

SUMO training course

dynamita
PROCESS MODELING

Event Details

- ➔ Dates — March 23rd, 25th, 27th and 30th
- ➔ Time — 9am to 1pm EST
- ➔ Venue — Online
- ➔ Registration fee — 800 USD per person

➔ Includes

- ➔ A one-month SUMO license
- ➔ A one-month Digital Twin license

➔ To register email

- ➔ Tanush Wadhawan - tanush@dynamita.com

Program details

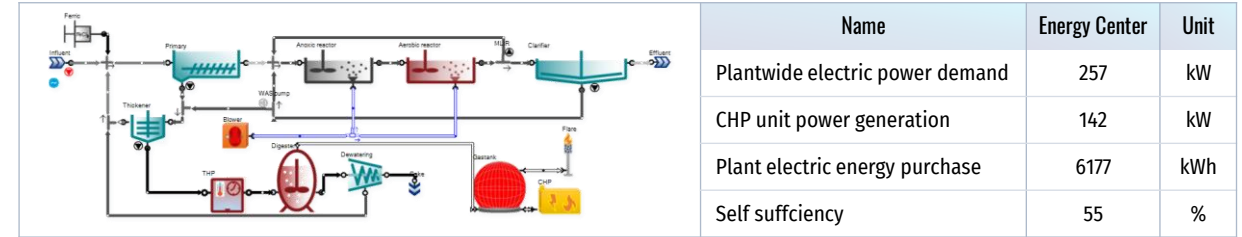
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Contact

- ➔ web: dynamita.com
- ➔ For more information: info@dynamita.com

Modeling in Practice

in fundamentals and design applications



Who will benefit?

- ➔ Academics, Utilities and Consultants

➔ Software familiarization

- ➔ Learn how to use basic and advanced features and build process configurations
- ➔ Dynamic simulation set-up, Data plotting, Scenario analysis

➔ Full plant model calibration

- ➔ Wastewater characterization
- ➔ Activated sludge and biofilm systems
- ➔ Nitrification-denitrification/Enhanced Biological Phosphorus removal
- ➔ Predicting alpha factor for improved aeration design and modeling
- ➔ Thermal hydrolysis, anaerobic digestion, and sidestream treatment
- ➔ Controllers: standard and ABAC, SRT control

Day		Monday	Wednesday	Friday	Monday
Date		March 23rd	March 25th	March 27th	March 30th
Time	9:00 am - 9:30 am	SUMO24 - Activated sludge plant setup (Nitrification to Nitrogen removal), scenario and sensitivity analysis mode	Nitrification and denitrification	Aeration modeling - Diffuser, SSOTE tool, alpha modeling	Controllers introduction, setup, and application
	9:30 am - 10:00 am				
	10:00 am - 10:30 am		Solid liquid separators		
	10:30 am - 11:00 am				
	11:00 am - 11:30 am	Wastewater characterization - data collection, reconciliation, and fractionation	Biofilm modeling - MBBR and IFAS (including PdNA)	Phosphorus removal - Chemical and Enhanced Biological Phosphorus removal	Anaerobic digester and Sidestream treatment - deammonification
	11:30 am - 12:00 pm				
	12:00 pm - 12:30 pm				
	12:30 pm - 1:00 pm				