





# THANG NGUYEN

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## PROFILE

1. Proficient in managing and commissioning international water/wastewater treatment projects in the municipal and industrial fields.
2. Mastering the wastewater treatment processes from the different industries such as steelmaking, papermaking, food processing, and beverage.
3. Having sixteen years of experience working in detailed process engineering of wastewater treatment systems.
4. Owning solid knowledge to create a conceptual design and detailed design and develop the control philosophy for water/wastewater treatment systems.
5. Familiar with COMOS, a Siemens platform, used to create P&ID, to do equipment sizing, logic diagram, and I&C.
6. Experienced in (wastewater treatment) data analysis.

## EDUCATION

- Master of Science, Technical University Munich (Germany), major in Wastewater treatment engineering.  
Master thesis: **The effect of enzyme supplementation on the acidogenesis of papermaking process water**, Grade 1.7 (German scale)
- Certificate: *Aerobic Granular Sludge Technology for Wastewater Treatment* course of TU Delft.

## SKILLS

- COMOS (Process & Application) – Siemens, FUP (Funktionsplan) or Logic Diagram.
- Programming Siemens PLC Tia Portal 2023 at basic level.
- Auto CAD 2D, Naviworks, Vault, MS Office, MS Project, MS Visio 2019
- Fundamental modeling with commercial packages: SUMO (Dynamita), BioWins (EnviroSim), GPS-X, STOAT.
- Python, MySQL, InfluxDB, MariaDB, Grafana, PostgreSQL, PowerBI

## KEY ACHIEVEMENTS

1. managing Water Reclamation project 4550 CMD in Jurong Island of Singaporean Public Utilities Board (PUB) in around 12 months (2013), bringing about the Singaporean Gov. satisfaction in both schedule and profit.
2. supervising one of the largest wastewater treatment plants for a pulp/paper industry in Vietnam at of the year 2015 for SCG group at Vinakraft mill, 13000 CMD.
3. completing the ETP project in Kipas paper mill PM2 in Soke, Turkey (2021), 19200 CMD.

## Process engineer, Aquadata Abwassertechnik GmbH, Germany

2022 – Present

- Main roles:
  - Development of real-time controller (RTC).
  - Testing, debugging controllers and build dashboard for new RTCs.
  - Data analysis, data visualization
  - Commissioning, service after sales.
  - Develop new RTCs with the team.

**Process engineer, project manager, for Meri Environmental Solutions – a company of Voith group (Germany) 2017 - 2022**

- Main roles:
  - selecting the treatment technology and proposing concept design, including sizing reactors and equipment.
  - planning the schedule and budget of the project.
  - using Comos platform (Siemens) for sizing pumps, blowers, agitators, piping, fittings, selecting manual valves, control valves.
  - preparing the list of equipment and instrument
  - making the control philosophy description for the system
  - supervising installation and operating commissioning, FAT.

**Typical projects in Meri Environmental Solutions GmbH**

- Design P&ID, operate commissioning for SÖKE project, Turkey **2020 - 2022**
- Process engineer/ Project manager of the project Rainwater Reclamation in Vinakraft Paper Mill **2018-2019**
- Process engineer/ Project manager of the project White Water Treatment in Vinakraft Paper Mill **2020**
- Designing P&ID, control philosophy description, operate commissioning the process water treatment for ProPapier (Progroup. Germany) **2019 - 2020**
- Operate commissioning and test logic control of the Stock Preparation system in Hamburger Rieger GmbH, Spremberg (Germany) **2019 - 2020**

**Process engineer, project manager, for Kobelco Eco-Solutions Ltd – a company of Kobelco Steel group (Japan) 2010 – 2016**

**Typical projects in Kobelco Eco-Solutions Ltd.**

Process Engineer, Project manager, Kobelco Eco-Solutions **2015 – 2016**

Project: VKPC#2 ETP (SCG Paper), EPC

Tasks:

- Designing and schedule-cost estimating in the proposal stage. Detail designing and purchasing big packages in the construction stage.
- Designing concept, detail (P&ID), architectural, and fabrication equipment.

Process Engineer, Project manager, Kobelco Eco-Solutions **2013-2014**

Project: PUB Jurong Water Reclamation Plant 4500 CMD in Jurong Industrial Estate, Singapore. Providing UASB and Biogas treatment system.

Tasks: Conceptual and detailed design, architectural and fabrication equipment

Process Engineer, Project manager Kobelco Eco-Solutions **2015**

Project: Denis Group Canning factory wastewater treatment plant (WWTP) 500 CMD.

Tasks: Managing, designing, and schedule-cost controlling.

Process Engineer, Project manager Kobelco Eco-Solutions **2014-2015**

Project: Lixil Casting (capacity 360 CMH) and Lixil WWTS (capacity 2952 CMD)

Tasks: Managing operation team for commissioning and training operation staffs.

Process Engineer, Kobelco Eco-Solutions

Project: Hory plating and galvanizing factory – Japan, EPC **2013-2014**

Project Long Duc industrial park WWTP, EPC **2013**

Project Lotte Chewing gum WWTP, EPC **2012**

Project Sapporo WWTP (2000CMD), EPC

**2010-2011**

**M&E engineer, Glowtec Environmental – Singapore**

**2007-2009**

- Roles: site supervision, designing piping, and fabricating equipment.

**LANGUAGES**

- Vietnamese (mother language)
- English (fluent)
- German (B2)

Reference:

Dr. George Troubounis, senior technologist, Meri

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