

DENG, WEIGANG(LUKE)

E-mail: luke@waies.com.cn | Mobile: +86 18962124611(CN)



SUMMARY

- Over 11 years' work experience in petrochemical and energy fields.
- Served as the main designer for a series of project, familiar with engineering software.
- Rich design experience from nearly 20 projects, including basic design, detailed design, and commissioning.

EDUCATION

2011 B.Eng., Chemical Engineering and Technology, Tianjin University, Tianjin, China

PROFESSIONAL EXPERIENCE/ACHIEVEMENTS

5/2022 – now **Wai Environmental Solutions (Suzhou) Co., Ltd, Jiangsu, China**

Senior Engineer

- Responsible for development of technology and solutions, R&D projects, pilot-scale demo, etc.

11/2020 – 4/2022 **Suzhou Xitu Environmental Protection Technology Co., Ltd**

Process Engineer

- Designed waste gas and wastewater disposal plan, technical transform
- Responsible for evaporation (three effects & MVR) process simulation and optimization, thermal balance calculation, etc.
- Responsible for the process design, equipment selection and technical agreement preparation of core equipment (spray tower, separator, heat exchanger, pump)
- Responsible for the preparation of control logic, commissioning plan and technical disclosure during construction
- Collaborated with business team for technical docking and on-site exploration

10/2019 – 10/2020 **Liaoning Fangda Engineering Design Co., Ltd**

Design Manager

- Process design and management work in fine chemicals and pharmaceutical related fields
- Construction drawing design, consulting report (installation, HAZOP report) preparation and other related work
- Lead the team to complete the design work of the project, communicated with the owner about the project plan, and managed the designing progress

4/2018 – 10/2019 **SunCan Resources Saving Solar Thermal Technology Co., Ltd**

Process Engineer

- Participated in the commissioning and deficiency elimination of solar thermal power generation project and first tower solar thermal power generation project
- Communicated with the owner and carried out effective program design
- Responsible for the calculation of heat storage and exchange system, heat balance and material balance of conventional islands, and design of process flow diagrams
- Responsible for the selection and capital reduction of process equipment such as heat exchangers, storage tanks and pumps

4/2018 – 4/2017 **Harbin Tianyuan Petrochemical Engineering Design Co., Ltd**

Process Engineer

- Design work for gas station and LNG/LCNG station, storage and transportation, etc.

4/2017 – 7/2011 **Xindi Energy Engineering Technology Co., Ltd**

Process Engineer

- Participated in the design of several coke oven gas to LNG projects. It is mainly the preliminary design and construction drawing design of the three main sections of desulfurization, synthesis, and liquefaction, including the preparation of preliminary design documents, the drawing of pipeline and instrument flow charts, 3D modeling of process pipelines, and the stress calculation of pipelines. Design work for gas station and LNG/LCNG station, storage and transportation, etc.

LANGUAGES

- English (basic), Chinese (mother tongue)