NIKOLAJ BEYER

MSc. Chemical Engineer

PROFILE

Chemical engineer graduate of the University of Southern Denmark. Specialized in recycling critical materials using hydrometallurgical processes. Currently working as a project manager in the start-up company CriMaRec ApS.

CONTACT

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SOFTWARE

SAS JMP - Basis
MatLab - Basis
ASPEN Plus V.9 - Basis
Origen Pro 9.1 - Intimidate
Excel - Good

LANGUAGES

Danish - Mother tongue
German - Fluent
English - Fluent

EDUCATIONS

STX - A.P Møller Skolen, Schleswig (DE)
August 2013 - June 2016
A-level courses: Math, Danish, German, English, Sports Education

Bachelor's programme (BSc.Eng) In Chemical engineering and biotechnology
University of Southern Denmark
September 2017 - June 2020
Subjects: mass and energy balances, thermodynamics, chemical separation processes, physical chemistry, project collaboration etc.

Exchange programme biotechnology - INSA Toulouse (FR)
September 2019 - January 2020
Subjects: process design, synthetic biology

Master's programme (MSc.Eng) In Chemical engineering and biotechnology
University of Southern Denmark
September 2020 - July 2022
Subjects: preparation and optimisation of PEM fuel cell electrode, techno-economical assessment, future energy systems, etc., master's thesis about chemical recycling of platinum group metals from spent catalysed diesel particulate filters.

RELEVANT WORKING EXPERIENCES

University of Southern Denmark - Student assistant
01/02/2021–01/09/2021
Responsibilities: generating and reporting data, reactor design and optimisation, recycling of platinum group metals from fuel cell electrodes.

University of Southern Denmark - Instructor of physical chemistry
01/09/2021– 15/12/2021
Responsibilities: preparation of laboratory equipment, student instruction

CriMaRec ApS - Project manger
01/09/2022
Responsibilities: design, establish and optimize a chemical recycling process of platinum group metals from different spent catalyst units. Economical evaluation of the process.

QUALIFICATIONS

- Collaborative
- Fast learner
- Able to explore unknown territory
- Thrive to learn new things
- Able to work independent
- Curious and openminded
- Thrive in an international environment