



# Krajete GmbH opens a new engineer/scientist position

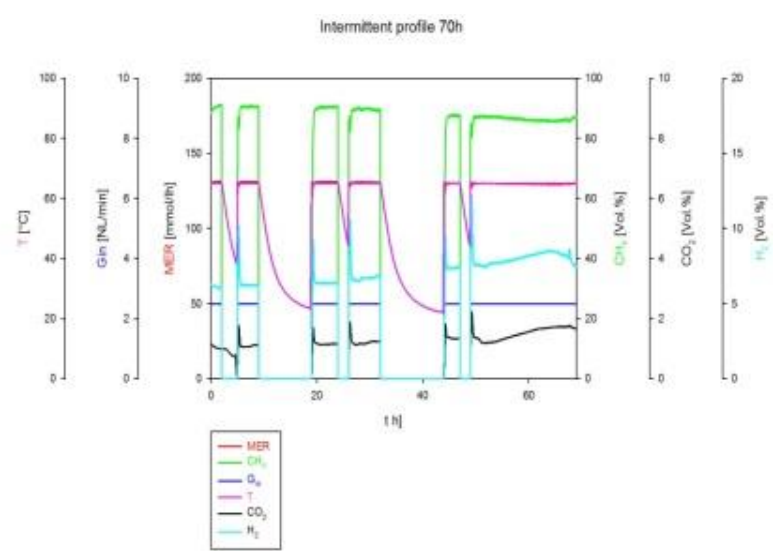
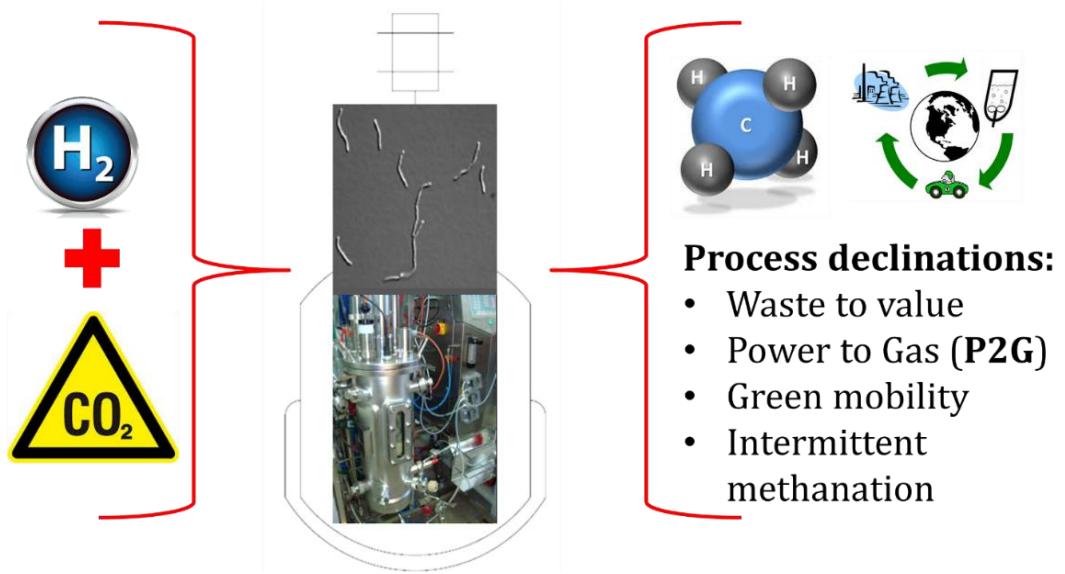
## Project description:

Biologic Methane Production (BMP) is a promising process to integrate in the renewable energy frame of this 21<sup>st</sup> century. Due to the versatility of biology, the BMP process offers an alternative to existing chemical methanation processes or "SABATIER process".

BMP is production of carbon neutral biomethane starting from gaseous substrates using archaea mono cultures grown in "mineral water" in a tri phase- biocatalytic system.

The endeavour to be accomplished by the candidate will reside in:

- 1) Development of process analytic & quantification methods
- 2) Increase volumetric productivity by innovative technical means
- 3) Improve bioprocess control in continuous operations
- 4) Process simulation and modelling



## An interdisciplinary work:

- Design of Experiment (DoE) and multivariate data analysis in bioprocess optimization
- Online analytic, quantification, modelling and control of continuous bioprocesses
- Scale-up related engineering work
- Writing of industrial reports and scientific papers
- Labs, pilots and home = decentralized work environment

## Candidate background:

1. Student in biotechnology, chemical or biochemical engineering or similar
2. Students from chemistry, physics or mathematic with an interest in science application.
3. Interdisciplinary student from automation, mechatronic or electro engineering with an interest in bioprocess technology.
4. Affinity towards using mathematic algorithms for process modelling, simulation or control
5. Background in microbiology is nice but not required
6. Excellent english skills and one additional fluent language is required.

## What Krajete GmbH offers you?

- **3-4 years position (compatible with european PhD programmes)**
- **Mobile and international work experiences**
- **Team work, interdisciplinarity and creativity**
- **Flexible working days: biology doesn't sleep, but we do!**

Send your CV and motivation letter at [career@krajete.com](mailto:career@krajete.com) if you are interested in this job position.

For further information contact us via phone: +43 (0)680 142 00 35