

VARIOLYTICS

Making the invisible visible.

MISSION

“

At Variolytics we develop innovative sensor technologies that will provide society with more accurate information and will enable better decision making.

”

UNLOCK THE VALUE

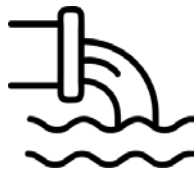
of your data

- Increase Output.
- Improve Quality.
- Gain New Insights.

INDUSTRY APPLICATIONS



Environment

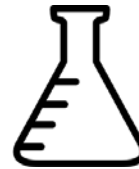


Wastewater

MONITORING



Food



Chemistry



Biotechnology
& Health



Production
& Energy

PROCESS CONTROL

OUR SENSOR

VARIO one.

Membrane-Inlet Mass-Spectrometer (MIMS)

enabling real-time analysis of all volatile compounds in liquids & gases

1. PRECISE

Detection in ppb range and captured in milliseconds, providing high-quality information about the process

3. AUTOCLAVABLE

The membrane inlet is autoclavable and available as single use part. Suitable for sterile use in bio-technology

2. COMPACT

Fits as a bench-top device in any laboratory and can be left alone for automated monitoring procedures. 52x52 cm.

4. LINEAR

Linear from 100% to low ppb range. High detection sensitivity from low to high mass range



OUR SERVICES

1. Feasibility Study

Send us samples!
We will check the feasibility
of the measuring task based
on your requirements

4. Support

We are always at your
disposal to help maximize
the benefits of your new
process understanding



2. Implementation Plan

Development of a custom
analysis concept for your
measuring task. A project plan
for the integration of sensors
and improved control of your
process.

3. Implementation

Adaptation and integration of
the hardware into your
process. We also do the data
science and integration into an
existing process control
system.

WATCH OUR VIDEO



OUR TEAM



JOHANN BARLACH
CFO

Johann (30) is a business economist with a background in supply chain management and experience in project management.



STEFFEN GÖRNER
COO

Steffen (41) is a Process engineer and designer with extensive experience in planning and building pilot plants.



DR. MATTHIAS STIER
CEO

Matthias (38) is an expert in modelling and simulations of biotechnological and chemical reactions



STEPHAN SCHERLE
CTO

Stephan (47) is a software engineer and expert in the field of measurement system development.

ASSOCIATED TEAM MEMBERS

ILKA MÜHLEMEIER
Biotechnology

DR. ANDREAS KARTAKOULLIS
Data Science

MAREN DÖTZER
Chemistry

YEN CHENG YEH
Machine Learning

OUR SUPPORTERS

Gefördert durch:



aufgrund eines Beschlusses
des Deutschen Bundestages



Europäische
Union



GET IN TOUCH



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