

Ingenieur Buero Buse GmbH

**Your partner for multiple tasks
and solutions**

**Consultant and service provider
for**

**Industrial plant design,
construction and operation**



Process Engineering ▪ Automation and Visualization ▪ Commissioning

Focal points of the Company

Water Treatment Plants

The key focus and competence of our company is water treatment for drinking water and process water, including industrial waste water treatment. We can look back on decades of experience. Our company can provide design, process technology, automation and visualization, construction of small to medium sized plants, as well as commissioning and operator training. This can cover any or all parts of project management.



Bio-Methane

Within this branch of business Ingenieur Buero Buse GmbH carries out its own plant construction. In a company owned pilot plant on a technical scale, bio methane is continuously treated to upgrade to natural gas quality. The treatment method has been developed independently by our company. It is a patent pending process PCT/EP2012/052956. The Ingenieurbuero Buse GmbH offers consulting, design, construction and commissioning of biogas upgrade plants.

Solar Thermal Power Plants

Ingenieur Buero Buse GmbH is deeply involved as a partner for automation, visualization, and start up of solar thermal power generation using direct steam generation out of boiler feed water. At the end of 2011 the first solar thermal power plant in the world with this process technique, and an output of 5 MW, went into operation in Thailand. Ingenieur Buero Buse GmbH led the start up and commissioning as well as a part of the automation and monitoring system.



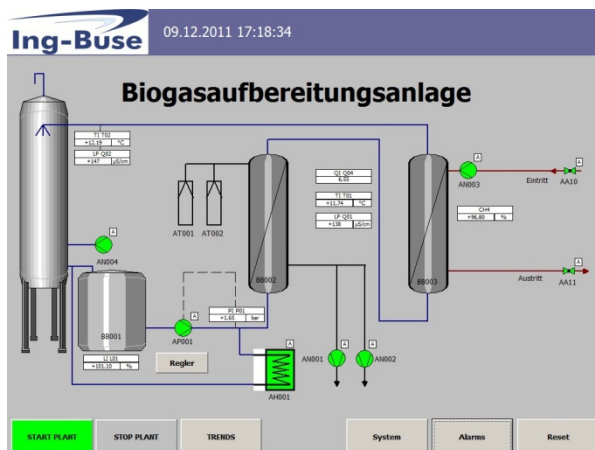
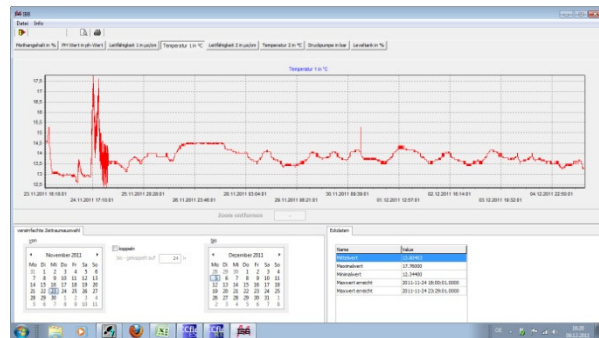
Process Data Acquisition and Recording

We are offering our interested customers a software package to continuously monitor and record process data.

This product is specially made for the process data evaluation of small and middle sized industrial processing plants, where previously there were no commercially viable solutions available.

Our internal R&D department developed this software package and we are able to offer it at a truly competitive price.

We offer also installation of this software package by our engineers, either on site or via internet remote access.



Process Automation

The engineering team of the Ingenieur Buero Buse GmbH automation department will develop and program the customized software for your automation requirements. Installation and start up will be done by our engineers on your site. We also offer complete control cabinets and hardware.

The Company

Ingenieur Buero Buse GmbH was established in 2009 and has been working successfully as service provider and consultant in the industrial plant construction business and as industrial plant operating company. As of July 2012 we have four process engineers, one electrical engineer and one software engineer.

Ingenieurbuero Buse GmbH

Your partner for a variety of tasks

Abstract from actual projects in 2011/12

Process technical services

- Project management and process planning of a high-purity water treatment plant
Client: Purita GmbH. End customer: Bosch Solar Energy AG
- Preparation of the functional description of a seawater treatment plant for boiler feed water
Client: Veolia Water Systems Deutschland GmbH. End customer: RWE Eemshaven
- Preparation of the functional description and function plans of a water pretreatment plant for boiler feed water
Client: Veolia Water Systems Deutschland GmbH. End customer: Stadtwerke Bonn
- Process dimensioning for a seawater desalination plant (ultrafiltration – reverse osmosis plant)
Client: TIG Hamburg. End customer: BP, London
- Consulting and optimizing of an existing high purity water treatment
Client: Robert Bosch GmbH

Piloting and research

- Piloting of a waste water treatment plant for retention of heavy metals
Client: Robert Bosch GmbH
- Operating a pilot plant for biogas conditioning
Client: Ingenieurbuero Buse GmbH
- Development of a tracking system for solar thermal purposes
Client: Solarlite GmbH

Commissioning

- Commissioning of a water treatment plant for the beverage industry in Novosibirsk, Russia
Client: Veolia Water Systems Deutschland GmbH. End customer: EFES Novosibirsk
- Commissioning of a boiler feed water treatment plant from sea water in in Oran, Algeria
Client: Veolia Water Systems Deutschland GmbH. End customer: Uhde GmbH
- Commissioning of a solar thermal power plant in Kanchanaburi, Thailand. Client: Solarlite GmbH, End customer: TSE Thailand
- Commissioning of a treatment plant for the precipitation of silica particles produced during grinding in the semiconductor industry in Reutlingen, Germany
Client: Purita GmbH. End customer: Robert Bosch GmbH
- Commissioning of a water treatment plant for the beverage industry in Jerewan, Armenia
Client: Veolia Water Systems Deutschland GmbH. End customer: Pepsi Armenia/ Jermuk International
- Commissioning of a waste water recycle plant for the beverage industry in Leiden, Netherlands
Client: Veolia Water Systems Deutschland GmbH. End customer: Heineken International
- Commissioning of a water pretreatment plant for boiler feed water
Client: Veolia Water Systems Deutschland GmbH. End customer: Stadtwerke Bonn
- Commissioning of a seawater treatment plant for boiler feed water
Client: Veolia Water Systems Deutschland GmbH. End customer: RWE Eemshaven

How to get in touch with us

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