Curriculum Vitae

Stefan Reitberger, Dipl.-Ing.(FH)

Mechanical Engineering – Process Engineering

Born in 1963, 10th May, married, one daughter (14 years old), German

Successful entrepreneur with profound abilities in mechanical engineering with an emphasis on process engineering. Goal-orientated project manager for major projects in power generation.
Managing director of the engineering company INNOVAS GbR in Munich.

Many years of experience in the field of solvent recovery for pharmaceutics and chemistry. Project engineer for waste water treatment and waste air purification plants. Self-employed for over 20 years with the company INNOVAS for biogas, biodiesel and bio ethanol plant planning. From project development, through approval planning in accordance with Federal Emission Control, to implementation planning and project supervision, all activities are implemented successfully. Security specialist, risk prevention officer and qualified explosion control and preventative fire protection officer.

OBJECTIVE: Operating large-scale plants for the manufacture of biogenous fuels.
Securing pension provision through company shares in such production plants.

PROFESSIONAL ACTIVITY AS PROJECT ENGINEER WITH VARIOUS COMPANIES

2008 - 2018 Execution of the periodic safety check according to BetrSichV (German Industrial Safety Ordinance) and/or §29a BImSchG (German Federal Emissions Control Act) at more than 30 biogas plants, but also waste water treatment plants in Germany.
Consulting services, expertises (technical and commercial due diligence), updating of plant documentation for ensuring the compliance with legal requirements.

2017 – 2018 Construction coordination of all works and trades for the conversion of an existing building into a machine show room for 3D printers for GE in Garching near Munich.

2011 – 2016 Optimization of existing waste biogas plants and agricultural based biogas plants. Expansion of a NaWaRo Biogas plant with a first step hydrolyze in Northern Germany.

2015 – 2016 Project planning and management for the reconstruction of a second-hand Biodiesel (FAME) plant for 30,000 t/a production capacity. Movement from Germany to Switzerland.

2010 - 2012 R & D Joint Project: “Effective and cost-efficient production of Bioethanol by using High Performance-Sequential-Batch-Reactor-Technology and Pervaporation with Hydrophobic Zeolite Membranes"
With subsidies of BMELV (German Federal Ministry of Food, Agriculture and Consumer Protection) funded research and development project for the advancement developing of an innovative process producing alcohol in an energy efficient way.
Our Subproject covered the pre-engineering and cost analysis of the process
In research community with the partners: Hochschule-Anhalt (Anhalt University), Koethen; Institut for Bioprozess- und Analysemesstechnik e.V. (iba), Heilbad Heiligenstadt and Fraunhofer-Institut für Keramische Technologien und Systeme (IKTS), Hermsdorf.

2010 - 2011 R & D Joint Project for Inocre Umwelttechnik GmbH, Grosshelfendorf, Germany
Study Basic research and project pre-planning (pre-design) for a bioethanol plant producing alcohol by fermentation of sweet and acid whey, for 70,000 hl/a; 96 vol% alcohol, together with a biogas plant for utilization of the slop and for energy self supply.
Dimensioning and design of the process developed by Inocre.

2008 – 2010 R & D Joint Project: Application of the “High Performance-Sequential-Batch-Reactor-Technology“ for bioethanol production.
With subsidies of BMWi (German Federal Ministry of Economics and Technology) funded research and development project for developing an innovative alcohol production process.
Project development according to the basics of Prof. Paetz, Anhalt University, as well as the laboratory test-out in our pilot plant.
In research community with our partner Empl-Anlagen GmbH & Co.KG, Schwindegg

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2008 - 2014	Preparation of approval documentation and assistance for the application according BImSchG (4, BImschV) as for the enhancement and operational change approval of the formerly Biodiesel Plant Bokel.
January 2008	Funding of the company BMK INNOVAS GmbH, Shareholder, Manufacturing and operation of biogas and compost plants for food waste processing.
2005 - 2006	Technical Managing Director of BioEnergie Hamlar GmbH, Operation of a biogas plant and organisation of co-substrates.
2002 - 2004	Approval planning and detailed planning of the biogas plant at Hamlar . Site management and start-up of the entire plant. 3 CHP (co-generation) units with a total electrical output of 1.1 MWel. With downstream SBR process water purification, project sum € 4.0 million. Approval planning and detailed planning of the biodiesel plant and oil mill for KVG Schleswig, site management and start-up of the Schleswig plant, production capacity 15,000 tons per year, project sum € 2.0 million. Approval planning and detailed planning of the biogas plant for WIESENHOF. in Möckern near Magdeburg, 1 CHP (co-generation) unit with 330 kWel, project sum € 2.0 million. Approval planning and detailed planning of the biodiesel plant at Bokel. Site management and start-up of the plant, training of personnel, production capacity 15,000 tons per year, project sum € 2.0 million. Approval planning and detailed planning of the biogas plant for Altheim near Landshut, 2 CHP units with 85 kWel, project sum € 1.0 million.
1994 - 1996	Deputy Project Manager and Site Manager in the project team of ABB Umwelttechnik GmbH for the extension of the flue gas cleaning of the waste co-generation power plant, Munich North, project sum € 30 million. Project work for ABB Umwelttechnik GmbH for the EWAG coal-fired power plant in Nuernberg, co-ordination of the assembly operations at the flue gas cleaning, project sum € 5.0 million. Approval planning and detailed planning, as well as project management for Munich Public Services for the construction of the power station at Munich-Schwabing, project sum € 1.5 million. Co-operation in the project team of ABB Umwelttechnik GmbH for the Lippendorf Power Station project, strengthening of the electrostatic filter, project sum € 3.5 million.
1995	Concept development for MARFIT Waste Briquetting plant, Milan, Italy with a throughput of 10 t/h pre-sorted household waste.
1994	Establishing of proprietary company INNOVAS, Innovative Energie- und Umwelttechnik GbR, This company offers planning for the following plants: Waste water treatment plants, biogas plants for the food industry, biomass combustion plants, solar plants, waste briquetteing and waste concepts biodiesel plants, bioethanol plants, energy and industrial consultancy Customers are: distilleries, breweries and creameries; as well as abattoirs and rendering plants biodiesel and bioethanol plant operators.
1994	Approval planning and detailed planning of a bioethanol production plant in Taufkirchen near Munich, project costs € 10.0 million.
1992 - 1994	Project Manager with the company UWAS Umwelttechnik GmbH Waste water treatment plants for distilleries and breweries, biogas plants for the food and drinks industries.
1989 -1992	Project Manager with the company Janetschek und Scheuchl Anlagenbau GmbH Solvent recovery plants for chemistry, waste water treatment plants for linen production Customers were CibaGeigy, Hoffmann LaRoche, AGS, Hoechst, Canon, Schiesser.

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1992	Planning and construction of a solvent recovery plant for CANON, project sum € 2.0 million, plant complete in glass. Planning and construction of a waste water treatment plant and waste air purification plant for the adhesive company AGS in Hanau, project sum € 1.5 million. Planning and construction of a solvent recovery plant for Ciba Geigy in Lörrach near Basle, project sum € 1.5 million.
1989	Planning and construction of a waste water treatment plant for Schiesser at the Bodensee project sum € 1.0 million.

SCHOOLING AND PROFESSIONAL EDUCATION

on 1st June, 2016	Registered as an authorized expert according §29a BImSchG. (German Federal Emission Control Act)
on 28th July, 1989	Obtained university degree in Mechanical Engineering Dissertation with BMW at the Research Centre in Aschheim near Munich Optimisation of the acoustics and vehicle noise on the 5 BMW Series
1984 to 1989	Polytechnic in Regensburg, Study course in mechanical engineering, specialised subject: environment-related process engineering Industrial placement with the company KRONES in Neutraubling Bottling plants for the drinks industry Industrial placement with the company KNAPP in Neutraubling Microhydraulics for the automotive industry, co-development on the open-topped roof of the 3 BMW Series
1983 to 1984	Military service with the 4th Armoured Reconnaissance Battalion, Federal Armed Forces Sports Division, participation in the NATO military contest.
on 28th July, 1983	Obtained university entrance qualifications from the Technical College
1979 to 1983	State Technical College in Regensburg,
1976 to 1979	Albert-Schweitzer Secondary School in Regensburg,
1969 to 1976	Hans-Herrmann Primary School in Regensburg,

INTERESTS AND PUBLIC RELATIONS WORK

Publications

- Presentation at “Fachtagung BIOGAS in Schleswig-Holstein for the university of Technolgy in Kiel **(2014)**
  Topic: “Two step biogas plants with Hydrolyse – possibilitys to increase the efficiency”
- Presentation at “Renewable Energy Biomass/Biogas Made in Germany” at German-Thai Chamber of Commerce in Bangkok **(2009)**,Topic: “Biogas – Experienced German Technology. Applicable Solutions for Thailand.”
- Presentation at the Lithuanian-German Symposium on Energy and Environmental Technologies, Lithuanian University of Agriculture, Kaunas **(2005)**, Topic: “Biogas Production out of Distiller`s Grains)”
- Presentation at the information event of the Distillery Association on the topic of bioethanol and energy generation in medium-sized agricultural distilleries, Pschorr-Keller Munich **(2004)**
  Topic: “Distillery and Biogas (Consequences of the EEC)
- Presentation at the AgroBalt 2003 Congress Fair, Vilnius, Lithuania **(2003)**
- Topic:“Operational experience with biogas plants for the fermentation of monosubstrates from the field of foodstuffs”
- “ Innovative Energy 2002“ Congress, Congress Center Nürnberg **(2002)**
  Topic: “Decentralised supply of power and heating with regenerative energy using the example of Agrarenergie Roding e.G”
- Biogas - specialist congress within the scope of the LEB projekt “Promotion of biogas technology” of the LEB Rural Adult Education, Environmental Educational Institution, Barnstorf **(1999)**.
  Topic: “What profits can be expected from the utilisation of renewable raw materials in biogas plants?”
- Ordinary General Meeting of the Federal Association of German Grain Distillers, Schleswig-Holstein Association, Reinbek-Ohe **(1997)**, Topic: “Environmentally friendly energy concepts for distilleries”
- 4th Berlin Distillers’ Day of the Experimental Station and Educational Establishment for the Manufacture of Spirits and Fermentation Technology in Berlin (VLSF), **(1997)**,Topic: „Possibilities for conservation of energy in a distillery”

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- Sixth Symposium for Biofuels and environmentally friendly energy management, OTTI Technology College, Regensburg **(1997)**
  Poster contribution and compendium, topic: “Biogas Generation from Waste Materials from Food Production”
- 1st Schleswig-Holstein Biogas Conference, Brunsbüttel **(1996)**
  Topic: “A biogas plant concept for the agriculture and food industries”
- Specialist congress for bio-waste management ´96, RHINO Rhine Institute for Ecology, Kamen **(1996)**
  Topic: “Biogas plants in co-operation with the food industry and communities”
- European Workshop Advanced Biomass Technologies for Energy Generation, THERMIE Programme Action, Stupava Slovakian Republic **(1994)**
  Topic: ”Rational use of energy in companies with a high energy requirement: energy recovery of biomass, taking the examples of Taufkirchen and Trencin”

Seminars and Professional Associations

- **Bildungsakademie Inn-Salzach (2016)** – Exchange of experiences for authorized experts according to § 29a BImSchG. (German Federal Emission Control Act).
- **DAS-IB GmbH (2015)** - Participation on the course of instruction for safety licence for operating biogas plants.
- **TÜV (2004)** – Training for “competent persons” in explosion control and preventative fire protection in chemical plants.
- **TÜV (2002)** – Training for risk prevention officers for chemical products in the biodiesel plant.
- **Biogas Professional Association (2000)** - Participation in the research group and involvement in the working group for the creation of the “Security regulations for biogas”.
- **SWM (1997) –** Participation on the health and safety briefing for management personnel from the municipal energy supplier of the city Munich.
- **Bayerisches Staatsministerium (1997) -** Authorization to present building documents.
- **VDMA (1997)** – Participation in the research group and involvement in the working group for the creation of the VDMA Standard Sheet 24435 “Plants and components for the anaerobic treatment of waste”.
- **HWK (1996)** – Seminar for the development of solar plants for heating support.
- **TAW (1996)** – Seminar for the development of anaerobic purification plants for highly stressed waste water.

Hobbies

Motorboat sports and yachting
Football
Literature for psychology

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