

CURRICULUM VITAE

PERSONAL DATA

Name Jäschke Brühlhart
Date of birth 09.03.1965
Civil status married



EXPERIENCE

- Since June 2010 **Managing Director** of the Swiss Society for Sustainable Real Estate (SGNI) as an employee of the Zurich University of Applied Sciences (ZHAW) in Wädenswil
- Establishing and managing the SGNI; introduction of a Certification system for sustainable buildings in Switzerland
- Since January 2009 **Competence Group Head of Real Estate Management** at the ZHAW
- Member of the Institute Director, Head of Group Real Estate Management
- Since March 2007 **Lecturer in Energy and Buildings** at the ZHAW
- Teaching, research and services in Real Estate Management (with a focus on energy and buildings)
- July 2003 – February 2007 **Independent Technology Consultant** in the Principality of Liechtenstein
- knowledge and education of adults in the field of energy supply. Lecturer in Building Services at (Theory) University. Liechtenstein (WS 2005/2006, WS 2006/2007)

November 2000 – June 2003

Director of Marketing & Development at
Hovalwerk AG, Vaduz, Liechtenstein

➤ Products, marketing and budget responsibility in the Heating Technology division with responsibility for 40 employees in development, construction, laboratories, workshop and documentation. In personal union product line manager gas boiler business unit

October 1998 – October 2000

Product Manager at Gas Technology Axair AG, Pfaeffikon, Canton Schwyz, Switzerland

➤ Simultaneous work in marketing / sales and the development of product line "Gas-fired steam humidifiers"

February 1992 – September 1998

Research Associate at the gas heat-E.V. Institute, Essen, Germany

Project Engineer in the Department Domestic gas use

➤ responsibility for personnel and equipment planning and implementation of public funded research projects including management of Industrial projects with 10 employees and supervising student work

September 1997

PhD at the Ruhr-University Bochum

Degree: Dr. Engineer

September 1997

Team Leader for gas equipment technology in the department of domestic gas utilization, gas heat-Institute in Essen, Germany

November 1997

interim basis Director of Domestic gas utilization, gas heat-Institute in Essen, Germany

EDUCATION

Postgraduate Studies

October 2002 – February 2004

University of Liechtenstein

Postgraduate degree program in engineering
Diploma in Industrial Engineering (NDS)

October 1989 - February 1992

Ruhr-University Bochum

Faculty of Mechanical Engineering
Major in chemical engineering
Diploma in Engineering (TH)

First Degree

October 1984 - February 1988

University of Applied Sciences Düsseldorf

Chemical engineering degree course
Diploma-Engineer (FH)

August 1975 – June 1984

High school Am Poth, Düsseldorf Gerresheim

Degree: university-entrance diploma

Description of professional activities:

Zurich University of Applied Sciences (ZHAW)

- Assisting in the development of the Institute
- Responsible for managing all activities of the Real Estate competence group including managing nine staff and developing a research and development programme in the field of facility management.
- Lecturing in the department of Energy and Building and supervision of student work
- Acquiring funding and implementing research projects in the field of facility management in particular in the areas of Sustainable Energy Management and operation of buildings
- Delivering lectures and publications in the field of facility management
- Development and management of the Swiss Society for Sustainable Real Estate (SGNI)
- Development and implementation of sustainable building certification systems

Hovalwerk AG

- Head of Marketing & Development Director in Heating Technology division with personal responsibility for 40 employees in the areas of development, construction, laboratory, workshop and documentation
- In personal union product line manager gas boiler business unit
- Budget responsibility for development funding and staff resources
- Responsibility for the technical development and market support for product areas: oil boiler, gas boiler, solid fuel boilers, heat pumps, solar, storage, etc.
- Optimization of internal interfaces across processes to increase efficiency of the product cycle, improving designs and change management, creating production equipment
- Development of product strategies to strengthen and secure companies technological competitive advantage
- Technology transfer in collaboration with external partners to product development
- Market research and construction and maintaining contacts with specialists and universities
- Responsibility for the organisation and coordination of product development including; market analysis, development, pilot production, the communication with other business sectors; manufacturing, logistics, planning and controlling the sale of companies and business representatives
- Organisation of the active support of distribution partners with technical support
- Responsibility for creating and disseminating product information on documentation, electronic media, training, seminars and lectures
- Acquisition and active management of research projects with European partners
- Market development in collaboration with European partners through customer visits, seminars and trade shows

Axair AG:

- Simultaneous activity in marketing / sales and development in product line gas-fired steam humidifiers
- Organisation of the introduction of new product line in Europe and rest of world without the NAFTA market
- Development of product sales and implementation of measures to promote sales

- Market development in collaboration with European partners through customer visits, seminars and trade shows
- Active support of distribution partners and technical support
- Create marketing plans
- Conducting product training for the European distributor
- Creating a prospectus and the technical documentation
- Create product training materials
- Development of sales strategies
- Conducting benchmarking with competitors' products
- Creating service training materials
- Performing service training with European distributors
- Creating detailed list of Troubleshooting issues
- Intensive cooperation with Canadian sister company
- Setting of development objectives and product improvements
- Advanced Engineering for gasfired humidifier in burner technology
- Monitoring and support of the Canadian International Development Department for certification for Europe
- Construction of the gas range in the factory in Pfäffikon

Gas heat Institute:

- Responsibility for personnel and equipment planning
- Application and implementation of publicly funded research projects
- Execution of industrial projects (R / D projects, create reports and studies)
- Leading the department with a staff of ten domestic gas staff
- Specific areas of work:
- Development and interpretation of atmospheric gas burners for domestic gas appliances
- Natural gas use in low energy buildings and the implications for gas supply

1992 to 1997 completed projects:

Study: "The art of gas pipeline systems in the home Sector in selected European countries "

Study: "Low Energy House"

Study: "Coupled power and heat generation in DOMESTIC and commercial gas appliances using high-temperature Photovoltaic and thermal performance elements"

Study: "The combination of solar energy with the gas-casualty, in-use "

Research Projects: "Investigation into the air intake injector burners"

- Industrial Order: "Determination of the energy consumption structure of a low-energy house in Bocholt
- Research Projects: "Investigation of the air intake injector burners to investigate the burner and the heating frictional resistance for laminar and transition area-flow"
- "Investigation of the air intake at multiple injectors under the influence of the combustion chamber and the burner warming"
- Supervision of academic work (graduate, student projects, constructive proposals made by students at the Ruhr-University Bochum in the gas heat-Institute)

Overview of scientific publications and presentations:

Dissertation: Theoretical and experimental investigation of the air intake of atmospheric gas burner injectors
PhD at the Ruhr-University Bochum
September 1997

Publications:

Reviewed:

Jäschke, St. Energy Management – a question of organisation
CIB W70 International Conference in Facilities
Management, June 16-18th 2008

Jäschke, St. Steam humidification - New gas application
with great potential
HEAT 48 (1999), Issue 10 October; pp. 586-591

Jäschke, St. und Kremer, H. The calculation of the air intake of injectors atmospheric
burners
HEAT 46 (1997) Issue 2 February; pp. 108-114

Jäschke, St. und Schulz, K. Operating experience with a low energy house gwf gas:
Natural gas 136 (1995) No. 10, pp. 506-516

Jäschke, St. und Schulz, K.: Natural gas use in low energy houses gwf gas: Natural
gas 136 (1995) No. 7, pp. 293-298

Other publications:

Jäschke, St. To keep track of the mess of labels
Commercial paper, 06/09/2010, available at:
http://www.handelszeitung.ch/artikel/Unternehmen-Im-Label-Salat-den-ueberblick-wahren_739755.html

Jäschke, St. An animal challenge - FM for the Zurich Zoo
Facilities Management Show and Conference, Frankfurt
am Main, 83 - 91, VDE Verlag, Berlin, Offenbach, ISBN
978-3-8007-3151-0, 2009

Jäschke, St. An animal challenge - FM for the Zurich Zoo
Transfer, University of Wädenswil 1 April 2009; p.8

Jäschke, St. und Keller, B.	FM during construction - the path to building renovation Special contribution to the 4th Swiss day planner Haustech, March 2009, No. 3, pp. 32-33 Axel Springer Switzerland, trade Fachverlag AG, Zurich
Jäschke, St.	Energy management - a good long term decision The Swiss municipal Revue (SKR), Issue 1/08, page 2
Jäschke, St.	The energy-postulateTransfer, University of Wädenswil No. 2 / August 2007, p.7
Jäschke, St.	Whoever does not hold, is not sustainable! HK-building, 5 Year, No. 8, August 2007 (34th year Heating), ISSN-No. 1016-5878; pp. 137-138
Jäschke, St.	The FM as an energy efficiency expert Management of energy savings potential - a long way Extra power and automation in buildings Special Issue Nr.7/07, Electrical and HK ET-building; pp. 122-124
Jäschke, St u. Müller, St.	Superior service concepts - gas condensing technology for high power Heating Ventilation Air Conditioning Issue 10/2002; pp. 62-64

lectures:

Jäschke, St.	The development in Switzerland - The Swiss SGNI in context: positioning, development and significance for the future real Site - Experts Stage, Zurich, 23.06.2011
Jäschke, St.	SGNI - a sustainable opportunity for Switzerland Swiss equity real estate days, Park Hyatt Hotel, Zurich; 23 and 24 November 2011
Jäschke, St.	Facility management - the basis for sustainable real estate FM Pro Founding event and Symposium 24th November 2010, Kursaal Bern
Jäschke, St.	An animal challenge - FM for the Zurich Zoo Facilities Management Show and Conference, Frankfurt; 21 - 23.04.2009

Jäschke, St.:	Energy Management – a matter of management CIB W70 International Conference in Facilities Management, June 16-18th 2008
Jäschke, St. u. Kremer, H. u. Rao, N. S.:	Influence of the burner and the heating Gas quality on the air intake at fully injecting burners First European Conference on Small Burner Technology Equipment 25th - 26 September 1996 in Zurich
Jäschke, St. und Schulz, K.:	The low energy houses - consequences for the Natural gas sales Energy Consultant Seminar Thyssengas GmbH 7th - 8 And 21 - 22 May 1996 in Bad Ems
Jäschke, St. und Schulz, K.:	Operating experience with a low energy house Gas technical discussion meeting (GAT) 9th - 10 November 1995 in Stuttgart
Jäschke, St.:	Interpretation of atmospheric injector burners for low pressures with the computer program ATBURN GWI event "research first-hand" 2nd November 1995 in Essen
Jäschke, St.:	Natural gas in low-energy buildings 6th International Congress Gas, 10th - 12 April 1995 in Prague
Jäschke, St.:	The low-energy building - opportunities for Natural gas heat supply Energy Consultant Seminar Thyssengas GmbH 21st and 28th April 1994 in Münster