

DIPL.-ING. UWE HOFER

POTTHASTWEG 15 • 32584 LÖHNE • GERMANY • TEL: +49 (0) 5732 686478
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<http://www.u-w-e.biz>

CURRICULUM VITAE

Dipl.- Ing. Uwe Hofer



Technologieberater & Beratender Ingenieur /
Technology & Engineering Consultant



Birth date: 5.1.1964
Birth location: Bielefeld
Family status: married, 2 children
Education: Advanced Technical
College Qualification

PROFESSIONAL EXPERIENCE

Oct. 2007 – to date

Freelancer

Project & References:

Participant of FP7 EU Funding program, Project MAPSYN,
Field of participation: Special Power Supplies for plasma
applications
Status: ongoing

Administrating & supporting safety certification process for a power
plant (gas and steam turbine technology, 135 MW), preparation of a
concept for explosion prevention and safety concept according to
German BetrSichV and processing of SIL classifications for safety
circuits,
Customer: enco Energie- und Verfahrenstechnik-Consult GmbH,
Status: completed

Development of UV Disinfection Equipment for applications in
hazardous environment, administration of CE-compliance procedure
according to ATEX directive,
Customer: AQUAFIDES GmbH (Austria),
Status: completed

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Development of core technology (plasma technology) based on consulting contracts,
Customers: Ozono Elettronica Internazionale S.r.l (Italy)
Oxygen plasma (Ozone), exclusively
Status: ongoing

Management of the compliance validation process (CE-marking) of UV-Disinfection products for low voltage and EMC directive
Customer: AQUAFIDES GmbH (Switzerland)
Status: completed

Technology Consulting
Customer: LIT (Russia, Moscow),
Status: completed

Product Portfolio Assessment on behalf of HAYS AG (Germany),
Status: completed

Technology Assessment for HYTECON GmbH (Germany),
Status: completed

Project Management for a pilot container of a special ozone technology (called Direct Cooling) for large scale applications
Customer ITT-WEDECO GmbH (Germany),
Status: completed

10.2004 -10.2007

ITT-WEDECO GmbH, Herford (after taking over WEDECO from ITT)
Director Product Development & Authorized Officer

Responsibility: Worldwide coordination of product related developments for UV and Ozone application related products and corresponding core components, implementation of a group specific business process for developments (VBPD- Value Based Product Development, developing strategic co-operations and alliances, managerial responsibility for 13 F&E employees

Achievements:

Development of a new product line of certified UV disinfection units (product name: Spektron),
Several patent applications especially in the area of ozone generation and its application

01.2000 - 10.2004

WEDECO Umwelttechnologie GmbH, Herford, Germany

Technical Director & Authorized Officer

Responsibility: Order Processing, manufacturing and product development of water treatment systems based on Ozone technology and process combinations, business volume 30 Mio. €, managerial responsibility for 28 employees, pre-sales for customized solutions, support for strategic procurement

Achievements:

Patent application for core technology (EFFIZON® HP),
Implementation of CAE Software (Cadison) and project teams,
Standardization of products and business processes for order processing,
Successful turnaround (growing business volume from 9 million DM in 1999 to 31 Million EUR in 2004),

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Technology transfer between acquired US based Company (PCI) and HQ in Germany
Successful realization of the world largest containerized Ozone plant
3 x 50" Container (max. yield per container 210 kg Ozone/h, connected electrical load 1,8 MVA/container, Application Pulp Bleaching, Location Brazil)

07.1998 - 01.2000

PHILAQUA Aufbereitungstechnik GmbH, Gladbeck, Germany
Senior Manager Electrical & Controls
Responsibility: Order processing with focus on any kind of process measurement and control equipment for water treatment processes based on combinations of different technologies (MBR, UV, Ozone, filtration, flotation)
Management of the strategic co-operation with LIT (Moscow, UV-disinfection equipment)
Achievements:
Finalizing an exclusive distribution agreement with LIT for ROW,
Setting up the R&D laboratory,
Patent application on sludge treatment with Ozone

06.1997 - 07.1998

Baan, Solution Center Automotive, Hannover, Germany
Consultant & Project Manager
Responsibility: Implementation of ERP software called Baan IV c at BTR Automotive, pre-sales,
Achievements:
Development of a just-in-time concept

05.1993 - 05.1997

WEDECO, Gesellschaft für Umwelttechnik mbH, Herford
Development Engineer (Electronics)
Responsibilities: Development of analog and digital PCB's for measurement and control devices applicable to UV and Ozone systems, developing power electronics (range up to 100 kW), Design responsibility for power supply units applied to ozone systems,
Implementation of EMC and machine directive,
Member of an internal multidisciplinary R&D group for Ozone generation
Achievements:
Developing and realizing an EMC concept for Ozone systems and complex machinery in conjunction with an Authorized Body,
Joint inventor of EFFIZON® technology

10.1983 - 09.1989

German Army, Naval Forces
Soldier, (Contract for 6 years),
Responsibility: Training supervisor for recruits, specifically for SONAR systems

ENGINEERING STUDY

10.1989 – 05.1993

FH Bielefeld, University of Applied Sciences
Electrical Engineering/ Information Technology
Certificate: Electrical Engineering
Degree Dissertation: Transformer losses with non-sinusoidal loads

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PROFESSIONAL EDUCATION

10.1983 – 10.1988 German Army, Naval Forces
Electronic Technician / IHK-certificate

PROFESSIONAL ADVANCED TRAINING

- 2010: Advanced Training for the implementation of “Operational Safety in Power Plants” by VGB PowerTech
- 2009: Participation at several symposia for energy storages (e.g. 4.IRES in Berlin)
- 2007: Training for a Certified CE - Coordinator
- 2006 - 2007: Advanced training for team forming and leading with focus on R&D teams by MACH 1
- 2005: Internal advanced training focusing on ROHS &WEEE directives by Linklaters in UK
- 2004 -2007: Several internal trainings focusing on VBSS (Green Belt Training), Lean Management, and VBPD (Value Based Product Development) and KAIZEN events
- 2003: Advanced Training „Dezentrale Abwasserreinigung” by DBU (Decentralized Waste Water Treatment Systems)

KEY ASPECTS OF BUSINESS ACTIVITIES

- Responsibility for technical leadership and developments in an international environment
- Responsibility for selection and core design of frequency converters for plasma applications
- Preparation and realization of technical solutions for UV- and Ozone systems which are applied to different customer applications
- Developing business co-operations with focus on R&D and procurement
- Project management (team forming and leading, contracting, crisis- and conflict management, time and budget controlling)
- Introducing teamwork and management by objectives for the order processing team
- Introduction of complex software applications (CAE & ERP)
- Sponsorship for an integrated management system according to ISO 9000:2000
- CE- Coordination, management of compliance procedures and implementation of a product safety group for continuous review of safety related topics;
Core areas: PED, EMC, machinery, low voltage, ATEX,
related products: standard and engineered solutions
- Processing safety & risk assessments in conjunction with introducing new technology in existing plants for industrial and municipal clients (keywords HAZOP, LOPA and FMEA)
- Training (internal and external) with focus on core technology and service
- Start up of process equipment with focus on strategic applications and customers
- Strategic planning in combination with market assessments and development roadmaps for product lines and core technology
- Since 1,5 years member of the executive board of an Energy Cooperation
(www.energiegenossenschaft-herford.de) designing/building and operating plants in the field of renewable energy
- Conceptual design and transfer of car-sharing & shared fleet management for a midsized town.
(<http://www.loehne.de>)

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LANGUAGE & SOFTWARE SKILLS

English: fluently

French: basic knowledge

MS-Office products incl. MS-Project,

PSpice – Electrical Simulation Program,

EAGLE – PCB Development Tool

Programming languages: C, Pearl, Turbo Pascal and different
microcontroller based codes,

ERP: Microsoft Navision, Baan IVc Automotive

SOCIETY DEDICATIONS

Member of:

Verein Deutscher Ingenieure e.V. (VDI)

International Ozone Association

International Ultraviolet Association

International Water Association

Verkehrsclub Deutschland

EUROSOLAR

Engineers without Frontiers

Löhne, October 2014



Uwe Hofer