

WHO AM I ?

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Education:

1956-1968 Primary & High School, College (Chemistry)
1969-1973 Engineering University Nuremberg:
Diploma in Chemical Engineering, Process Chemistry



Professional Career:

1968-1985 several assignments in analytical instrumentation & environmental monitoring companies:
R&D, Service, Sales, Product Management, Department Head
1986-1989 Monitor Technologies, San Diego, USA: Intl. Sales Director Europe, Africa, Asia
1990-1993 International Business Development, Freising: Consulting
1993-1997 Verewa Mess- und Regeltechnik, Mülheim/Ruhr: General Manager
1997-2016 Durag Group, Hamburg, various assignments:
Manufacturer of Environmental Instrumentation and Combustion Technology
Technical Sales, Intl. Sales Director, Start-up Manager for subsidiaries in India and Italy,
multiple other roles & responsibilities:
- MD of DURAG process & systems technology gmbh (Manufacturer of Video/Thermography Systems for Combustion Control & Optimization)
- Director of DURAG INDIA INSTRUMENTATION PVT.LTD.
- MD (Amministratore delegato) of DURAG ITALIA S.r.l.
- Sales Director Market Development Sub Sahara Africa
- Director Conferences & Exhibitions (worldwide)
- Marketing Director
2017 till to date own Marketing firm IBD - International Business Development; Technical, Marketing, and Investment Consultant for multiple clients <https://www.ibd-zepeck.de/english-1/>

During my professional career I worked in multiple assignments for various companies around the world in both **Environmental Monitoring** as well as **Combustion Technology** (mainly Thermal Power Generation).

For Environmental Monitoring the assignments included R&D for various environmental analyzers (dust, mercury, hydrocarbons, SO_x, NO_x, CO, O₂), systems design for air quality monitoring stations and networks, systems design for Continuous Emission Monitoring Systems (CEMS), and design of Emission Monitoring Sampling Systems (both dilution based as well as direct sampling based).

The assignments in the field of Combustion Technology are focused around visualization, thermal analysis, and optimization of thermal processes, specifically fossil-fueled boilers (mainly hard coal and lignite), as well as gas- and oil-based processes. Co-work has been done in boilers of Thermal Power Plants around the world, including Italy, Denmark, Serbia, Israel, Kuwait, India, Taiwan, Thailand, Mongolia, and South Africa. Especially extensive work has been carried-out in the design of controls to rectify boilers burning low-quality coals with high ash content and lignite with high water content and therefore faced with disturbed and inefficient combustion, significant slagging, and multiple boiler trips. Also design work on boiler and flame control systems for fossil-fueled boilers forced to operate in flexible mode.

I have been actively involved in research projects in South Africa which investigated the unique problems with burning South African coals and the consequences to the Power Generation Industries.

Publications, Papers, Lectures:

Multiple publications, papers, presentations on various aspects of Environmental Monitoring and Combustion Technology in domestic and Intl. journals and on Intl. conferences

Lectures at KWS (Power Plant Training Center), Essen

Frequent lectures at Intl. workshops organized by GIZ (German Association for Intl. Cooperation)

Co-author of presentation at PowerGen Africa, November 2012 – “Impact of Coal Quality on Combustion and Power Generation – Southern African Scenarios and Challenges in Clean Coal Technologies”

Lectures at various Environmental Conferences around “Best suitable monitoring technologies”

Frequent lecturer on CEMS (Continuous Emission Monitoring System) workshops organized by the “International Centre for Sustainable Carbon” in India in cooperation with CPCB and SPCBs

Co-Author of BEST PRACTICES IN CEM-CONTINUOUS EMISSION MONITORING, issued by CEEW, New Delhi 2023

Memberships (present and former):

VDI (Association of German Engineers) since 50+ years

Close cooperation with International Centre for Sustainable Carbon

Active association with the CEMS EXPERT GROUP at CEEW, New Delhi

Close cooperation with VGB-Powertech and KWS (Power Plant Training Center)

Close cooperation with EPPSA (European Power Plant Suppliers Association)

Additional Assignments (present and former):

Member of Scientific Committee to CEM INDIA Conference & Exhibition

Member of Advisory Board Powerplant Technology Conference of University Dresden, Germany

Member of Technical Advisory Boards to Power-Gen Exhibitions & Conferences:

Africa: Conference

Asia: Conference

Europe: Conference; Exhibition

Middle East: Conference

Member of Indo-German Energy Forum (Inter-Government Body)

Member of Turkish-German Energy Forum (Inter-Government Body)

Member of EU-India Clean Coal Working Panel

Summary:

I have wide-spread, long-term experience in the energy sector covering both environmental as well as combustion related issues and am happy to convey this knowledge in Consultancy, Advisory Boards, or Interim Management.