



Dr Souheil Malhis

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1946 – 1972 Aleppo, Syria

- 1946 - Birth in Aleppo, Syria
- 1967 - Syrian high School in Aleppo
- 1971 - B. Sc in Chemistry and Physics at Aleppo University
- 1971 -1972 - Assistant for Physics and Chemistry at Aleppo University

1973 – 1974 Algiers, Algeria

- Assistant for Physics at the Algiers University
- High School Teacher for Physics und Chemistry in Algeria
- Mai 1984 - GTZ Contract construction of a laboratory plant for „catalytic combustion of ammonia“ to produce nitric acid for the institute of industrial chemistry in Boumerdas, Algeria.

1975 – 1988 West Berlin, Germany

- 1975 - 1980 - Diploma in Applied Chemistry, Technical University of Berlin, equivalent to M. Sc
- 1981 - 1985 - Ph. D. in Chemical Engineering, Technical University of Berlin by Prof. Dr. Peter Hugo
- 1985 - 1988 - Head of department Production of Physical and Chemical Sensors for water and gas analysis at the company ATP GmbH in West Berlin.

1989 – 1996 Kiel, Germany

- 1988 - 1992 - Head of department Wastewater treatment at the company Krupp MaK GmbH
- 1992 - 1994 - Head of department Water Technology at the company DST GmbH
- 1994 - 1996 - Independent consultant and engineer : Chemistry & Environment
- Research and development in the field of wastewater treatment using UV radiation.
- Planning and construction of wastewater treatment plants.
- Planning and construction of plants for remediation of hazardous waste.

1996 – 1998 Harrisonburg, USA

- Development and construction of a mobile wastewater treatment plants.
- Planning and reconstruction of air purification plants for rendering processes.

1999 – 2003 Calgary, Canada

- Development of a new process for remediation of drilling waste resulting from the gas and oil industry (**patented process US patent No 6,689,925 B2**).
- Construction and running of a pilot plant for remediation of drilling waste according to the a. m. patented process.
- Planning of a waste treatment and waste remediation plants for tanneries.

2004 – June 2009 Kiel, Germany

- 2004 - **Qualification as an authorised inspector** for wastewater treatment plants dealing with hazardous substances according to the German water law (WHG, VAwS).
- 2005 - **Qualification as an authorised inspector** for wastewater treatment plants dealing with petrol separators according to the German water law (WHG, DIN 1999 and EN 858).
- 2006 - 2008
 - Engineering and construction of hazardous wastewater treatment plants for pharmaceutical Industries
 - Master plan and engineering of a centre for the treatment of industrial hazardous liquid waste, GTZ, EU project in Beirut, Lebanon,
 - Master and Business Plan of a centralised plant for animal waste sterilisation of slaughter houses (rendering plant), GTZ, EU project in Beirut, Lebanon
 - Engineering and construction of wastewater treatment plants for a semi-conductor company (patented process).
 - Risk analysis and design of a safety prevention plan for a hydrazine and a diesel supplying plant at a nuclear power plant according to the “German Federal Immission Control Act” (BImSchV).
 - **Qualification as an authorised inspector for Ex-Protection** according to the “German Federal Immission Control Act” (BImSchV).
 - Environmental teacher and lecturer in vocational schools for the subjects waste, hazardous waste, landfill, wastewater treatment, renewable energy.
- 2009 - June 2009
 - Engineering of a mobile harbour plant “container based solution” for the treatment of ships ballast waste for Qatar Petroleum.
 - Master plan of a hazardous waste treatment centre for the region of Kaysari, Turkey.

July 2009 – 2010 Jradou, Tunisia

- Technical and administrative inspection and take over of a centre for the treatment of various industrial hazardous liquid and solid waste with landfill.
- operating manager of the above mentioned centre, 60 employee, 1.000 Ton waste/Month
- (March 2010)
 - Qualification in Germany as an inspector for ships recycling according to the IMO guidelines “Inventory of Hazardous Materials.

Since 2011 Kiel, Germany

- Process Development and Master plan of a treatment plant of hazardous liquid waste, Disposal company REMONDI in Kiel, 2011.
- Development and detailed engineering of a spent air purification plant resulting from Production of organic colorants, LANXESS, Leverkusen, 2012.
- Optimisation of a chemical galvanisation process , CERAMTEC, 2013.
- Development of a process for the treatment of used Aqua Regia resulting from a semi-conductor galvanic process. Integration of the new process in the current waste water treatment plant, CERAMTEC, Bavaria, 2013.
- Development of a process for the treatment of wastewater containing titan dioxide from a photoactive circuit production. Integration the new process in the current wastewater treatment plant, CERAMTEC, Bavaria, 2013.
- Evaluation of the above-mentioned wastewater treatment plant for function extension and capacity increasing, CERAMTEC , Bavaria, 2013.
- Planning, engineering and construction of a treatment plant for purification of spent air resulting from aeration of landfill leachate using UV radiation, IAG, Schönberg, 2013.
- Development of a new process for Aluminium Nitride (AlN) grinding to avoid NH₃ emission, engineering, construction and put in operation of a new treatment plant according to the new developed process, CERAMTEC, Bavaria 2012 - 2014.
- Process development, detailed engineering , construction and put in operation of a plant for the treatment of landfill leachate 30 m³/h, IAG, 2012 - 2014.
- Evaluation and optimisation of a spent air treatment plant (after burning process) with control the Under Explosion Limit (UEL), 10.000 m³/h, CERAMTEC, Bavaria, 2014.
- Development of new chemical process to avoid incrustation within the pipe system of landfill leachate, IAG, Schönberg, 2014.