

Curriculum Vitae

Personal information

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Date of birth: 24th. of April 1967
Marital status: Married and 2 children at 23 & 20 years of age



Career - Working experience

2019

CEO Crimarec Aps

Co-founder/investor and CEO of this start-up company with the purpose of recovering precious group materials (PGM) from scrap by using a novel hydro-electrochemical method. Initial focus is recovery of Platinum and Palladium from end-of-life catalyzed diesel particle filters (cDPF) and Membrane Electrode Assemblies (MEA). The company has gained support by the **EUDP** in Denmark and work together with several OEMs in the fuel cell industry.

Re-elected as president for the **International VERT Organization**, various other board positions and consultancy assignments with focus on business strategy development. Technical consultancy assignments in the emission control industry.

2017- 2019

Completion of E-MBA (MMT18) at DTU, Lyngby, Denmark

KWLT Engineering & Services

Consultancy assignments in Europe, Asia and North America within the emission reduction technology field.

Consultancy assignments related to strategy development and execution.

Co-investor in start-up companies and CEO of CriMaRec Aps. A spin off company from the University of Southern Denmark (SDU) with the purpose of developing a novel method for electrochemical recovery of PGM from scrap material. President of the International VERT Association, Chairman of the board in **Kolster A/S**.

2016 - 2017

Interim CEO Landson Emission Technologies A/S

Landson Emission Technologies A/S established in October 2016 and acquired all assets in the former Notox A/S. responsible for the M&A process and successfully completed by the end of 2016. Initiation of development projects related to high porous reaction formed silicon carbide and super critical synthesized wash coat materials. *Interim function completed by May 2017 in agreement with Chinese investors.

2015-2016

Director Notox A/S

Responsible for M&A process, selling Notox A/S off from previous owner SBS A/S

Main function & responsibilities is technology and new business development

Responsible for re-structuring process; Strategy, organization, business development and sales of re-crystallized silicon carbide (R-SiC) filters, for gas and water purification. Development of high porous ceramics.

2014-2015

Consultant KWLT Engineering & Services

Consultancy Services; Strategy, Sales and business development for **Amminex Emissions Technology A/S**, Søborg, Denmark. Ammonia Storage and Delivery Systems for low temperature SCR. Re-elected as President for the **International VERT organization** in Switzerland; two year period. Presidential activities for VERT including technical support & Services and political activities for lobbying stricter emissions regulation within the EU., China and South America.

VERT representative in the TRGS-554 - Working Group for occupational health "**Berufsgenossenschaft für Transport- und Verkehrswirtschaft**" Hamburg, Germany.

Member of the **Environmental Industries Commission (EIC)**, London, UK – Transport Working Group.

2006-2014 **Director R&D, Dinex Group,**
Director, Dinex Emission Technology A/S & Dinex Exhausts Inc. USA

Main function & responsibilities is technology and new business development

Implementation of the Group Innovation strategy with regards to development of complete exhaust system solutions for heavy duty diesel applications. This is including development of high porous ceramic materials for diesel particle filters and catalysts, regeneration strategies, catalytic wash coats, electronic control and methods for testing and validation.

The Group R&D team consists of 30 high skilled individuals mainly with academic degrees in engineering, acoustics, physics and chemistry. The R&D function is currently split into three geographic locations in Denmark, Finland and Germany. The recent technological challenge has been the introduction of CAE & FAE competences as significant tools to improve development projects in terms of quality and speed.

In 2006-2007, overall responsible for the design & building of a new technology center for testing and validation of diesel emission control technologies. The building site and the technical installations were complete in January 2008 and contains two highly advanced engine dyno's, flow rig installations and a heavy duty chassis dynamometer, equipment for measuring of diesel exhaust gasses and particulates.

In parallel to above, responsible for new business development and Key Account/project Management in Europe, Turkey, the United States, Russia and China. Played an active role in the acquisition and integration of a medium sized company in July 2013.

- President of the international VERT Association, Switzerland
- Board member; Energi Invest Fyn (-2015)
- Board member; HeatCom Corporation A/S (2007-2010)
- Member of the advisory board for the Danish Minister of Environment (Advisory board for Green Technologies)

2000-2006 **Director OEM /R&D, Dinex A/S**

Main function & responsibilities was Technology Development, Key Account Management & OE sales

Coordinating function in implementation of TS 16949. The OEM business segment and the emission control technology products contributed with approximately 50% of the company's turnover in 2005. The OEM business was developed from around DKK 16 mil. to approx. 65 mil DKK from 2000 to 2005. Main customers were mobile of road manufacturer such as mobile cranes, gen-sets, pavers, rollers and other diesel powered equipment for the construction industry. The market for emission control technologies was developed from 0 to approx. DKK 55 mil. 2005. The main markets where; Europe, Japan and North America.

- Board member in LiqTech A/S (Dinex owned 45% share in Liqtech A/S from 2005 to 2008)
- Chairman in the business association DEEC and member of the AKPF/VERT in Switzerland.

1996-2000 **Development Manager, Dinex A/S / Dinex Filter Technology A/S**

Main function & responsibilities was application Development of complete diesel exhaust systems for aftermarket and OEM heavy duty applications.

Participation and coordination of new production technology introduction and implementation (tooling & machinery). Responsible for management of predevelopment project in electrochemical oxidation processes. Mentoring function for Ph.d student in collaboration with the University of Southern Denmark. The project was part of an EU supported program.

- Member of the board in Dinex Exhausts Ltd. United Kingdom

1994-1995 **Quality Manager Dinex A/S**

Preparation and Implementation of ISO 9001.

The company was certified in 1995.

In addition to above, design of two main aftermarket catalogues and preparation of environmental certification (Later ISO14001).

1993-1994 Catalogue and product management, Dinex A/S

Technical preparation of new catalogue material for aftermarket products

The main focus of Dinex was then, aftermarket sales of conventional exhaust components for trucks and buses. i.e manipulated pipe work, silencers, bracketry, oxidation catalysts and spark arrestors.

1991-1993 Export assistant, B-Shoes, Odense

Coordination and procurement, Import of fashion shoes from Asia – student job.

Other areas of experience and skills

- Solid management skills and high level decision making
- Preparation of strategy plans with a high degree of technical content and complexity
- experience with company turn around (sister companies & subsidiaries)
- Cooperation with legislative bodies within the emission control and air quality management; Switzerland, US, Great Britain and Germany.
- Preparation of various contracts & agreement such as supplier contracts
- Cooperation with several domestic and international universities
- Experience with preparation of EU applications. i.e EU's LIFE and Framework Programs
- Preparation & completion of applications for CARB verification's in California
- Preparation of superior strategy plans and experience with management of highly educated/qualified individuals
- Author/co-author 5, SAE articles 1998/2000/2008/2014
- Extensive travel experience in most parts of Europe, North America, Scandinavia, Russia, Japan and China.
- Frequent speaker at relevant seminars and conferences (IQPC, CTI, INTEGER etc.)
- Certified Yacht Master, 3rd. class

Language skills

- Danish: Native
- English: Fluent in both oral and writing
- German: Adequate in oral, less than adequate in writing

Education

2015-2017 E-MBA (MMT) program at the Danish Technical University (DTU Business), Denmark
This includes completed requirements for the Executive Education program in Innovation and Leadership at UC Berkeley, College of Engineering, USA

2008-2009 INSEAD Executive Management Program
Strategy, Innovation & Leadership

1987-1993 Stud. Oecon (Msc. Econ.) University of Southern Denmark

1990-1991 Resided in the UK
Various courses in English and full time work at the Royal Hospital & Home, Putney

1989-1990 6 months stay in Israel.
Education in English, history & music and volunteer work.

1983-1986 College; Matematisk studentereksamen, Middelfart Gymnasium
Matematisk-biologisk studentereksamen

Additional Education & training

- 2020 Completed the Danske Bank Business Angel Investor Academy
- 2007-2008 Personal coach arrangement (12 months duration)
- 2000-2006 Training course in MUS and stress management
- 1999-2000 Management Education Program – The Danish Industry Association – Lederuddannelse Dansk Industri.

Personal qualifications

- Comprehensive, determined and hard working
- Diligent
- Humorous & competent
- Good ability to master complex scenarios
- A good partner & sounding board!
- Creative & dynamic

References

- To be forwarded upon request

Lars Christian Larsen
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