Dr.-Ing. Dirk-Alfred Lindenbeck

CURRICULUM VITAE

Profession

2008 to present

Continuing as Chairman of the board of *DAL INVESTMENT CO*. (formerly CAM Enterprise Inc.), a sales-, engineering- and holding-company company.

Consultant for *B + E Manufacturing Co. Inc. and Stainless Valve Co.*

1986 to 2008

Chairman of the Board and President of *DAL INVESTMENT CO*. (formerly CAM Enterprise Inc.), a sales-, engineering- and holding-company company.

Purchased *Stainless Valve Company,* (now division of B+E Mfg. Co. Inc.), an engineering- and sales-company for special O-port valves for the Pulp and Paper Industry in 1990.

Purchased *AA Arms Inc.* in 1989, a manufacturer of a 9mm semi-automatic pistol. Modifications to the manufacturing procedures, improvements to the design and close control of the components used lead to changing AA Arms into a profitable company.

Purchased *B + E Manufacturing Co. Inc.* in 1987 B + E's business is machining on computerized numerically controlled milling and turning centers, using computer aided design (CAD) and computer aided manufacturing (CAM) for programming the machine tools. B +E partly does machining service for customers and partly assembly work of machines and equipment of own design or customer design.

Formed *CAM Enterprise Inc.,* in1995 (formerly FACT Systems Inc.) a manufacturing and sales company for computerized compression and tensile testing equipment.

The group of companies has 19 employees and a sales volume of 2.8 Million US $.

1985 to 1986

Assistant to the Chairman of the board of Directors of *INA Bearing Company Inc*., Ft. Mill, South Carolina. INA is a producer of needle bearings with 970 employees in three plants: Ft. Mill, Cheraw and Chesterfield County, South Carolina.

Support of the various departments in the forecasting and budgeting process. Responsible for the liaison between INA USA and the European and South-American affiliates. Development and organization of training programs for all employees in statistical process control to improve productivity and decrease reject and rework.

Better tooling, machinery, organization of the workplace and material flow, utilization of the computer system for forecasting and planning purposes, handling of customer orders, work preparation, material planning, control of the manufacturing procedures, labor and machine utilization, cost accounting and centralized quotation system.

Starting up of INA's third manufacturing plant in the USA.

2526 Cross Country Rd., Charlotte, NC 28270, USA
Phone: 1-704-953-2803, E-mail: dl@stainlessvalveco.com

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1982 to 1985

President and General Manager *Diamond Winter Inc.* and Technical Director *Winter do Brasil.*

Responsible for all activities of the newly founded company and its 6 million dollar investment.

Building of a first manufacturing company in the USA. Complete organization of sales, financing, administration and production. Starting up the manufacture of electroplated diamond tools with tolerances in the range of plus-minus 0.000040 inch. Achieving product quality level as per parent company standard. High productivity levels were reached earlier than anticipated. The company of 59 employees has reached the break even point after less than two years of production and a sales volume of 4 million dollars.

1975 to 1982

Technical Director, *Winter do Brasil*.

Responsible for building a first manufacturing plant in Brazil. Starting up the production, technical sales activities and installation of additional production lines, for electroplated, resin bonded and sintered metal products with a total investment of 2 million dollars. Market introduction of the in Brazil almost unknown cubic boron nitride tools.

Winter do Brasil has 52 production and technical employees and a sales volume of 2 million dollars. The company was developed to be the leader in the Brazilian market. Advisory function during project stage of Diamond Winter Inc., since end of 1980.

1974 to 1975

Assistant to the Technical Director, *Ernst Winter & Sohn,* Osterstr. 52, Hamburg, Germany.

Preparation for the installation of the Winter do Brasil plant. Responsible for lay-out of office and manufacturing facilities, machinery and equipment, purchasing and in house manufacturing of machinery, preparation of production documentation and know-how transfer to Brazil.

1970 to 1974

Senior Scientific Officer, *De Beers Diamond Research Laboratory*, Johannesburg, South Africa.

Research work in application of superabrasive tools (Diamond Tools, CBN Cubic Boron Nitride Tools.

As of 1971, Principal Scientific Officer, Section Head of Product Development Department. Relocation and expansion of the activities of Product Development Department, producing superabrasive tools for testing of the abrasives.

1965 to 1970

Research Scientist*, Institute for Production Technology and Machine Tools, University Hannover*, Germany, under the guidance of Prof. Werner Osenberg.

Research work in the use of superabrasives in grinding of various materials leading to a Ph.D. thesis and the title Dr.-Ing.

1962 to 1965

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A total of 9 months experience in the work shops of the *Public Utility Company Hannover, Eisenwerk Wuelfel, and Westinghouse, Hannover* as part of the University curriculum.

EDUCATION

1949 to 1962

School (Abitur)

1962 to 1970

University Hannover, Germany, equivalent to B.Sc., M.Sc., and Ph.D. in Mechanical Engineering (Dr.-Ing.)

Research experience in superabrasives and hard material processing throughout the time in the University and employment in the Institute of Production Technology and Machine Tools.

Twentyfive technical publications in this field and in specialty valve applications in the process industry.

PERSONAL DETAILS

Married, 3 children.

Born September 26, 1943 in Knesebeck, Germany.

Multi-lingual, fluent in German, English and Portuguese speaking, reading and writing, some knowledge of Spanish and French.

Member of Rotary, VDI, NCWTA, GBR, PPHA.

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