

CV



Personal:

Name Kjell Evert Lundin

Education:

- 1977 Seminar „Lärmarm konstruieren“ (noise control by design), Bundesanstalt für Unfallschutz und Unfallforschung, Dortmund
- 1975 English course, British Institute, Stockholm
- 1970-1972 Postgraduate study in Acoustics, Royal Institute of Technology, Stockholm
- 1964-1970 Civ.ing. (M.Sc.) Mechanical Engineering, Royal Institute of Technology, Stockholm
- 1964-1968 Business school, Stockholm
- 1961-1964 Gymn.ing. (approx. B.Sc.) Electronics / Servo technology, TG I, Stockholm
- 1955-1960 Junior high school, Mechanical Engineering, Stockholm
- 1951-1955 Primary school, Bromma, Stockholm

Employment history:

- 2010 - **Perkenn GmbH, Zwingenberg**, consultant and owner: Development of concepts for new products or manufacturing lines; Contract examples:
 - 2018 INNEOS GmbH, Waal / final customer: automotive supplier with 2400 employees
Add-on solution for an oil cooling issue
 - 2017 INNEOS GmbH, Waal / final customer: automotive supplier with 2400 employees
Concept developments of electromechanical actuators for clutches and brakes
 - 2017 INNEOS GmbH, Waal / final customer: automotive supplier with 2400 employees
Test bed application for a multi-plate clutch; from conception to manufacturing documents
 - 2017 INNEOS GmbH, Waal / final customer: automotive supplier with 2400 employees
Concept development of pneumatic actuators for trucks; topology optimization and engineering for different manufacturing methods concerning the vital components
 - 2016 INNEOS GmbH, Waal / final customer: automotive supplier with 2400 employees
Basic design for an electric actuator
 - 2016 INNEOS GmbH, Waal / final customer: automotive supplier with 2400 employees
Test device for a hydraulic actuator
 - 2016 INNEOS GmbH, Waal / final customer: automotive supplier with 2400 employees
Form-fit clutch for automatic transmission; manual and commissioning on test stand; outcome: increased degree of efficiency by smaller or constant space requirement
See VDI-report 2276 p. 221-229 and patent:
https://worldwide.espacenet.com/publicationDetails/originalDocument?FT=D&date=20171024&DB=&locale=en_EP&CC=US&NR=9797458B2&KC=B2&ND=4#

- 2015 INNEOS GmbH, Waal / final customer: automotive supplier with 2400 employees
Test version of an innovative shift element in automatic transmission; thermal / dynamic, kinetic and mechanical dimensioning (FEM), tolerance chain optimization, detailed design, manufacturing support and assembly; preparatory work for patent applications
- 2015 ÅF AB, Sweden / final customer: 3M Svenska AB
Prestudy concerning concepts for a flow channel
- 2015 AMS Albrecht&Graul GmbH, Zeitz
Integration of cleaning equipment in a Lithoman printing press
- 2015 Remko GmbH & Co. KG, Lage
Mentor by introducing SolidWorks in a new design department
- 2014 INNEOS GmbH, Waal / final customer: automotive supplier with 2400 employees
Predevelopment concept for an innovative shift element in automatic transmission with the aim of reducing power loss by constant or decreasing space requirement
- 2014 AMS Albrecht&Graul GmbH, Zeitz
Risk analysis (explosion risk), manual and contribution in certifying of cleaning equipment in printing press
- 2014 INNEOS GmbH, Waal / final customer: Meyer-Burger Technology Group
Concept for gluing system in wafer processing with optimizing of the material flow from supply over glue application and further to the curing zone; particular emphasis on material flow and automation
- 2014 Dr. Jürgen Ackermann, Waal / final customer: Meyer-Burger Technology Group
Concept for laminating plant with optimization of heat transfer and surface pressure uniformity; new material flow concept increased level of automation
- 2014 JOST-Werke GmbH, Neu-Isenburg
Evaluation of tests in accordance with ISO 16750 and advising on fatigue-proof design of a component
- 2014 Dr. Jürgen Ackermann, Waal / final customer: hydraulics manufacturer
Electromechanic locking device for motion mechanism
- 2013 Alutecta GmbH&Co KG, Kirchberg
Idea generation for an improved production flow by surface finishing of aluminium profiles
- 2013 Dr. Jürgen Ackermann, Waal / final customer: hydraulics manufacturer
Concept for servo hydraulic motion mechanism for a medical device
- 2013 Dr. Jürgen Ackermann, Waal / final customer: Meyer-Burger Technology Group
Development of a concept for a new processing line for hard materials while maintaining the basic machining processes, but with a simplified layout; outcome: cost reduction through decreased investment volume and increased productivity
- 2013 AMS Albrecht&Graul GmbH, Zeitz
Development of a new accessory for the graphics industry; from concept to assembled prototype and patent application
- 2012 AMB Automation, Langweid (merged into Meyer Burger Technology Group)
Idea generation and feasibility studies for the manufacturing of silicon wafers; the basic process steps have been kept (sawing, gluing, sawing ...), but with new allocation to machines and a completely new spatial distribution in order to minimize the necessary transfer steps; comparison of different concepts for processing lines and processing cells with regard to flexibility, scalability and investment cost share of the TCO; outcome: reduced machinery investment, less space demand and reduced waste

- 2011 Register system for printing presses / own development
 Methods-time measurement in a packaging printing plant as basis for the development of a concept for a new register system; Outcome: more productive time and less waste
- Remko, Lage
 Noise encapsulation of climate unit
- 2005 - 2010 **Technotrans AG, Gersthofen and Sassenberg**, development engineer
 Development from conceptual design to production status of a new product line "contex.lb", customization of "contex.mb"-equipment in newspaper printing presses; especially appointed for difficult cases, e.g. fluid penetration of an encapsulated drive motor
- 1993 - 2005 **OXY-DRY Maschinen GmbH, Egelsbach**, Technical manager and Development manager
 Washing equipment for cylinders in offset printing presses; new development of stereo plate washing equipment for flexographic presses in the corrugated board industry; completely new design for washing equipment for guide rollers in printing presses (washing agent application unit with an maintenance interval of several years, roller brake unit as zinc diecasting with integrated, pneumatical engage function); development of new process technologies including preparing of specifications for third-party software; responsible for patent issues
- 1983 - 1993 **AB Initi, Stockholm**, consultant and owner; Noise Control by Design and more general product development; Contract examples:
- Philips, Stockholm and Apeldoorn, Holland
 Bank teller printer (Physics and noise generation in needle print head; structure-borne sound propagation from print head to enclosure, isolation measures; fundamental investigations of stepper motor drives; optimization of DC motor acceleration profile with printing during acceleration)
 Computer cooling (Air path optimization, fan selection, fan control and actions against structure-borne sound)
- V. Hasselblad AB, Göteborg
 Camera (Viewfinder mirror: dynamic process, optimization of braking distance); Projector (reduction of cooling system noise)
- Emotron, Helsingborg
 Switched reluctance motors for rotary heat exchangers (noise control at source, optimization of drive voltage waveform)
- Tidningstryckarna AB, Stockholm
 Entire acoustical planning of newspaper printing plant including foundation ground structure-borne propagation
- Nobeltech, Järfälla
 Dynamic, optical angular measurement in 0,05°-range
- At several companies
 Giving seminars on the topic " Noise Control by Design"
- Koruma Maschinenbau GmbH, Neuenburg am Rhein
 Development of sound enclosures for food homogenizers including compliance with the GMP requirements
- 1981 - 1983 **Royal Institute of Technology, Stockholm**, research engineer; Structure-borne sound propagation in stratified media / mechanical damping / polymers and composites

- 1972 - 1981 **IFM-Akustikbyrå, Stockholm**, consulting engineer; Acoustics / Noise Control by Design / noise control; contract examples:
- Solna International, Stockholm
 - Web printing press (noise control, reduction of structure-borne sound)
 - IFRA, Darmstadt
 - Printing Plant Planning Manual (noise in the workplace, structure-borne sound in buildings, dimensioning of foundations and vibration isolations)
 - Arbetslivsfonden, Stockholm
 - Research project; conception and management of the project "Manual for calculation of vibration isolators at middle and high frequencies"
 - Bofors-Nohab, Trollhättan
 - Noise control measures for a complete newspaper printing press including reduction of the platform sound radiation with isolators
- 1971 - 1972 **Royal Institute of Technology, Stockholm**, research, road vehicle noise (tyre-road surface-contact, engine encapsulation ...)
- 1970 - 1971 **Swedish Navy**, military service, engineer radar reconnaissance
- 1966 **George Kent Ltd, Luton, UK**, student apprentice (summer)
- 1960 - 1961 Industrial training in a mechanical workshop

Languages:

English	fluent
German	near native
Schwedish	native

Software:

SolidWorks Premium	very efficient (earlier AutoCad, Inventor)
ParetoWorks (topology optimization)	efficient
MS Office, MS Visio, Nitro PDF	efficient
SAP, HTML	basic

Independent Patents and Applications:

Clutches and Brakes	3x
Accessories for printing presses	17x
Drying	1x
Electrical motors	1x

Membership:

INCE, USA; since 1979 „Full member of Institute of Noise Control Engineering“, i.e. in USA authorized as noise control engineer