

# Resume

Lars Holmdahl

**Name** Lars Holmdahl, Dr.-Ing., Lic Eng, MSc ME  
**Born** 1950.03.21  
**Nationality** Swedish  
**Qualifications** Doktoringenieur (Dr.-Ing.) (Product development)  
 Licentiate of Engineering Degree (Tribology)  
 MSc Mechanical Engineering  
**Experience** >30 years: Automotive Industry, Mech. Industry, Med  
 Tech, Nuclear Power Industry, and University of Technology.  
 Product and Business Development, New Product  
 Development, Project Management, Author of two  
 textbooks, Self-Employed Consultant, Research & Lec-  
 ture at Technical University.  
**Placement** Göteborg, Sweden



## Recent employments

Lars T R:son Holmdahl HB	present 2010.01		Management consulting Product- & Business Development	Self em- ployed
Swerea IVF	2009.12 2008.08	Researcher	Lean product Development initiative	
Lars T R:son Holmdahl HB + Finalized my Dr.-ing thesis	2008.07 2003.07		Project Management Product- & Business Development	Self em- ployed
Bertrandt Sweden AB (In 2003 Bertrandt termina- ted activities in Sweden)	2003.07 2001.04	Project Man- ager	Project Coordination, Project Budgeting / Controlling, Acquisition of assignments, Recruiting, Project Lead- ership, Method Development, Technical Educator/Mentor, Competence Developer (Member of the management team)	
Epsilon Development AB (Epsilon acquired Frontec R&T AB)	2001.03 2001.02	Senior Project Manager	Strategy work	
Frontec Research & Tech- nology AB (Frontec acquired Prosolvias Research & Technology AB)	2001.01 1999.01	Senior Project Manager	Recruiting Competence development Project Management (Member of the management team)	
Prosolvia Research & Technology AB	1998.12 1997.09	Project Man- ager	Project Management	
Lars T R:son Holmdahl HB	1997.11 1992.11		Project Management Product- & Business Development	Self em- ployed
Swepart Development AB	1991.10 1990.08	Manager of Technology	Project Management, Recruitment, (Member of the management team). <b>All activities terminated as the automotive part of the Swepart group was acquired by Trustor AB</b>	
Lars T R:son Holmdahl HB	1990.07 1982.05		Project Management & New Product Development	Self em- ployed
Chalmers University of Technology	1985.09 1982.08	Doctoral Stu- dent	Research & Teaching	
Chalmers University of Technology	1982.06 1982.05	Research En- gineer	Research	
Chalmers University of Technology	1981.12 1980.09	Student Study Counselor	Counseling	

# Resume

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## Non-Project Management Experience

- ❑ *Management Consulting*. Organizing and leading new product development
- ❑ *Teaching*. At universities and "in house"
- ❑ *Mechanical Analysis*. Rigid body mechanics, strength of materials, machine elements
- ❑ *Design Engineering*. Total system architecture-, subsystem- and piece part design, sheet metal design, injection cast, polymer and elastomer parts design
- ❑ *Human Resource*. Recruitment and competence development

## Special interests

- ❑ Innovation Technique & New Product Development
- ❑ Complexity Theory
- ❑ Project Management & Strategy

## Military experience

Swedish Army NCO. Mechanized anti-tank platoon commander

## Affiliation

Member and cofounder of LeanAkademin

## Education/ Qualifications

Doktoringenieur (Dr.-Ing.)	Otto-von-Guericke-Universität Magdeburg, 2007.10.18
Licentiate of Engineering	Chalmers University of Technology, 1989.09.29
M Sc ME	Chalmers University of Technology, 1982.05.07

## Publications

Holmdahl, L.: *Lean Product Development På Svenska 2.0*, 2016, ISBN 978-91-979196-2-3

Holmdahl, L.: *Visual Management in Lean Product Development*, 2013, ISBN 978-91-979196-1-6

Holmdahl, L.: *Lean Product Development På Svenska*, 2010, ISBN 978-91-979196-0-9

Ottosson, S. and Holmdahl, L.: *Web-based virtual reality*, Journal of Engineering Design. April 2007. Vol 18, Iss 2, p 103

Ottosson, S., Björk, E., Holmdahl, L. and Vajna, S.: *Research approaches on Product Development Processes*, Oral presentation at Design 2006 (9th International Design Conference, 15-18 May 2006, Dubrovnik, Croatia)

Holmdahl, L.: *Complexity Aspects of Product Development*, PhD Thesis, Otto-von-Guericke-University, Magdeburg, 2006, Germany.

Holmdahl, L., Björk, E., Ottosson, S., and Vajna, S.: *Web supported Product Concept Development*, Oral presentation at ICED 2005.

Ottosson, S., Holmdahl, L. and Björk, E.: *The Myth of Control & Initiative in Product Development*, Int. Conf. in Magdeburg, Germany, September 2000.

Holmdahl, L.: *Anisotropic Dry Friction Models*, Lic. Eng. thesis, Chalmers University of Technology, Machine and Vehicle Design, Report no. 1989-09-29.

Holmdahl, L.: *The Profiled Cylindrical Slideway, Load Capacity and Design*, Chalmers University of Technology, Division of Machine Elements, Report no. 1985-05-15.

# Resume

Lars Holmdahl

## Assignments

- 2016 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2015 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2015 **Transmode AB**  
LPD training
- 2014 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2014 **Ericsson**  
Lean Product Development audit, training and coaching
- 2013 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2013 **Ericsson**  
Lean Product Development audit, training and coaching in Sweden, Canada and China
- 2012 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2012 **Ericsson**  
Lean Product Development audit, training and coaching
- 2012 **Swerea IVF**  
In cooperation with Swerea IVF AB: given four open three-day courses and one one-day course on Lean Product Development (LPD)
- 2011 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2011 **HemoCue AB**  
Lean Product Development audit, training and coaching
- 2011 **Siemens AB**  
Creating a method for the structural verification of nozzles in Oskarshamn Nuclear power station unit 2, during the Si-Plex project
- 2011 **ÅF Industry AB**  
Structural verification of a distillation column
- 2011 **Chalmers Professional Education AB**  
Lecturing on Dynamic Product Development and process mapping in LPD-course
- 2011 **Flexlink AB**  
Lean product development training.
- 2011 **ABB Corporate Research**  
One-day course on Lean Product Development (LPD)
- 2011 **Swerea IVF**  
In cooperation with Swerea IVF AB: given six open three-day courses on Lean Product Development (LPD)
- 2010 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2010 **Totech AB**  
Analysis of iron roughneck jaw system
- 2010 **Lean Product Development På Svenska**  
Authored a 300 + pages book on Lean Product Development

# Resume

Lars Holmdahl

- 2010 **Chalmers Professional Education AB**  
Lecturing on Dynamic Product Development and process mapping in LPD-course
- 2010 **Swerea IVF**  
In cooperation with Swerea IVF AB: given four open three-day courses on Lean Product Development (LPD)
- 2010 **ASCOM**  
Lean product development audit.
- 2009 **Flexit AS, Örje, Norge**  
Analysis of the company and recommendation of measures.
- 2009 **Teknologisk Institut, Norge**  
Giving course in Lean Product Development (LPD)
- 2009 **SAAB Microwave Systems AB**  
Coaching Dynamic Product Development (DPD) initiative.
- 2009 **Chalmers**
- Lectures in the CHAMPS program
  - Lectures in LPD-course given by Chalmers Industrihögskola
- 2009 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2009 **Ruag Aerospace**  
Lean product development audit.
- 2009 **Senseair AB**  
Giving LPD-course
- 2009 **Swerea IVF** internal project  
Managed Lean Product Development (LPD) research project
- 2008 **Teknologisk Institute, Stockholm**  
Moderating conference on Lean Product Development.
- 2008 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2007-2008 **Westinghouse Electric Sweden AB**  
Structural verification of components in Oskarshamn Nuclear power station unit 3, during the PULS project (Power Upgrade with Licensed Safety)
- 2007 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2006-2007 **Siemens Industrial Turbomachinery AB**  
Verification of rectangular and circular flanges to ASME VIII B31.3, EN 13480 and EN 13445
- 2006 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2006 **Uppdragshuset AB**  
Lecturing on strategies.
- 2005-2006 **Otto-von-Guericke-University, Magdeburg, Germany**  
Research and doctoral studies, authored PhD thesis.
- 2006 **Tradex Converting AB**  
Teaching project management course.
- 2004 **Tradex Converting AB**  
Consulting regarding projects.
- 2003 **Halmstad University**  
Lecturing on project management teambuilding (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2003 **Högskolan Trollhättan Uddevalla**

4(8)

# Resume

Lars Holmdahl

- Lecture on product development (B Sc. level) at Trollhättan, Division of Engineering.
- 2003 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2003 **Bertrandt** internal project  
Authored the Bertrandt Project Handbook, a comprehensive 200 page (A4) treatise on: product development, project management, planning, risk management, and more.
- 2002 **Halmstad University**  
Lecturing on Dynamic Project Management. Halmstad University, Division of Business and Engineering.
- 2002 **Halmstad University**  
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2001 **Ingenjörshögskolan i Halmstad**  
Lecturing on product development (B Sc. level, half semester course) at Ingenjörshögskolan i Halmstad (college of engineering in Halmstad, Sweden).
- 2001 **Visteon**  
Project management of concept development of automobile (epsilon platform) cockpit-module including HVAC, cross car beam, instrument cluster, steering column, pedal box, center stack, glove box, etc.
- 2001 **SAAB Advanced Concept Center**  
Project management of the concept development of rear passenger zone.
- 2001 **NCC AB.**  
Consulting on the failure of a movable floor structure of a large communal swimming pool (Eriksdalsbaden, Stockholm).
- 2000 **Frontec Research & Technology AB**  
Appointed responsible for competence development and recruitment.
- 2000 **Ingenjörshögskolan i Halmstad**  
Lecturing on product development (B Sc. level, half semester course) at Ingenjörshögskolan i Halmstad (college of engineering in Halmstad, Sweden).
- 2000 **VICI Industri AB**  
Project management of refining environmental-friendly lavatory.
- 2000 **NCC AB**  
Consulting on the failure of a movable floor structure of a large communal swimming pool (Eriksdalsbaden, Stockholm).
- 2000 **Hasselblad AB**  
Troubleshooting camera winder noise and suggestion of remedies.
- 2000 **Frontec Research & Technology AB**  
Gave an in-house course in project management comprising 120 hours.
- 2000 **Frontec Research & Technology AB**
- Appointed Comet within Frontec Research & Technology AB (one of two). Comet is an important role in what is known as a planetary organization. It is a senior person reporting directly to the general manager. A Comets function is to be a mentor, a troubleshooter and to advice the general manager
- 2000 **Frontec Research & Technology AB**
- Appointed responsible for competence development
- 2000 **Medical Robotics AB**  
Project Management (new product development) of a robot system for orthopedic surgery.
- 1999 **Ingenjörshögskolan i Jönköping**  
Lecturing on product development (B Sc. level, half semester course) at Ingenjörshögskolan i Jönköping (college of engineering in Jönköping, Sweden).
- 1999 **Hasselblad AB**  
Troubleshooting camera mechanism design and suggestion of remedies.

5(8)

# Resume

Lars Holmdahl

- 1999 **Frontec Research & Development AB**  
Initiating and managing a company internal development project, an internet initiative, called COD, Calculations On Demand ([www.cod.nu](http://www.cod.nu)).
- 1999 **Hymo AB**  
Project Management of the development of a new line of lift tables.
- 1998 **Verkstäderna Weibulls AB**  
Project Manager business- and new product development of racks (automotive industry).
- 1998 **Ericsson/Prosolvía**  
Ergonomic study and development of head connect structure of a new Lean Head Mounted Display (for Virtual Reality applications).
- 1998 **Prosolvía Systems**  
Development of End User Manuals for Prosolvia software Engine Robotlab
- 1997-1998 **Astra Tech AB**
- Surgical suction devices: user interviews and market research, concept development and design optimization, feasibility study of production automation
  - Project management automation of surgical wound drain: concept development, feasibility study of production automation
  - Project management urology catheters: feasibility study of production automation, production equipment design
- 1997 **Stacke Hydraulik AB**  
Project Manager development of a new line of hydraulic cylinders.
- 1996 **Autoliv Mekan AB**  
Development of Volvo Estate model car backrest structure.
- 1995-1996 **Hässleholm Automotive AB**  
Analysis of automotive seat backrest structures. Back seat weight reduction project.
- 1992-1997 **Plåtmekano i Vansbro AB**
- Development of Scania: engine grill hinge mechanism, instep component, engine air filter housing, automatic fan belt tensioner, multiribb belt pulley, battery box, steer servo console, brackets and more
  - Concept design of a new front suspension wishbone, SAAB
  - Development of electrical motor components (bearing cover, stator gables, electric connector box, stator foot, etc) for ABB Motors AB
  - Development of GMT Body Mounts
- 1993-1994 **Claes Johansson AB**
- Development of parking brakes for Volvo and Renault.
  - Developed pedal box concept for BMW
- 1994-1997 **Autoliv Hammarverken AB**
- Development of "belt in seat"-concept front seat for Volvo
  - Analysis of seat structure forces
  - Concept design of new actuating mechanism
- 1993 **UWAB**  
Redesign of Volvo back seat armrest/child seat
- 1992 **SKF Nova AB**  
Consultation electrical actuators for the auto industry.
- 1992 **HAVD AB**  
Development of passenger side knee-bolster Volvo 940/960.
- 1992 **Plåtmekano i Vansbro AB** (part of the Rörviks group)  
Introduction of product development within this group. Evaluation of the product line. Start of "business development by aid of product development".
- 1991 **Volvo Car Corporation**  
Development of knee bolsters Volvo 850.
- 1991 **SKF Nova AB**  
Consultation regarding electrical actuators for the auto industry.

6(8)

# Resume

Lars Holmdahl

- 1991 **Hammarstedts AB**  
Development of SAAB knee bolsters.
- 1991 **TX Controls AB**  
Hydraulic steering of boats.
- 1990-1991 **Swepart Development AB**  
Employed as Manager of Technology. Projects: knee bolsters (Volvo and SAAB), front wheel wishbone, automatic belt tensioner (SAAB and Volvo Heavy Truck), steering column (Volvo Heavy Truck), and seat frames (Lear).
- 1990 **Designer Nils J. Tvengsborg AS**  
Technical feasibility study of mechanical toilet sanitary seat cover regulator.
- 1988-1990 **BITS AB**
- Development of automatic belt tensioner
  - Development of knee bolsters, for Volvo 850, and testing procedures
- 1990 **Tema Fritid AB**  
Strength of materials calculations of safety belt connection structure of a mobile home.
- 1988 **Mölnlycke Mobility AB**  
Consultation regarding electrical wheel chair sound emission reduction methods
- 1988 **Chalmers Industriteknik**  
Analysis of load carrying capacity, rate of thermal expansion and stress distribution of magnetic composite bearing with magnetic fluid. Development of heat-transfer-calculation computer program based on the finite difference method.
- 1988 **SKF Nova AB**  
Consultation small electrical engines with worm gears for the auto industry.
- 1988 **Chalmers Udevalla project**  
Evaluation of Gislaved Conti tire molding machine.
- 1987 **Chalmers Industriteknik**  
Analysis of magnetic composite bearing with magnetic fluid. Development of test strategy.
- 1985-1987 **BITS AB**
- Development of automatic fan belt tensioner (SAAB)
  - Development of manual and electrical window regulators for Volvo P70 and Volvo 850
  - Development of glass-regulator connection that allows for automatic assembly of doors (VCC now owns the patent)
- 1986 **Chalmers Uddevalla project**  
Consultation regarding Ariane rocket engine production method.
- 1985 **Bogma Maskin AB**
- Redesign of briquette press
  - Redimensioning of fluid film bearings
  - Analysis of screw feeder output pressure and volume flow
- 1983 **Morssing & Nycander sollicitors**  
Evaluation of friction properties at road accident.
- 1983 **Bogma Maskin AB**
- Analysis of briquette press slideway
  - Development of Hydrodynamic Bearing Theory for cylindrical slideways
  - Analysis of wood material characteristics at high pressure
  - Machine dynamics analysis
- 1983 **X-press AB**  
Development of high-pressure extruder of deep-frozen biological material.
- 1983 **Mekantransport AB**  
Strength of materials analysis of paper-mill wood-chips-silo rotary center
- 1981 **PUC, product development center**  
Evaluation of microwave wood drying process

# Resume

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## Education/ Qualifications

Doktoringenieur, Dr.-Ing.	Otto-von-Guericke-Universität Magdeburg, 2007.10.18
Licentiate of Engineering	Chalmers University of Technology, 1989.09.29
M Sc ME	Chalmers University of Technology, 1982.05.07

## Some earlier dates

1975-80	Securitas, Supervisor
1975-1977	Taking care of my first child (stay-at-home dad)
1973-74	Military Service
1967-73	Airline Mechanic: Braathens SAFE, Swedair Ltd, Ostermans Aero, Svenska Flygverkstäden, Torslanda Flygservice
1971	Military Service
1969-71	Chalmers University of Technology, School of Engineering Physics
1966-69	Gymnasium (High School)
1963-1966	Realskola
1957-1963	Folkskola