

Resume

Lars Holmdahl

Name Lars Holmdahl, Dr.-Ing., Lic Eng, M Sc ME
Born 1950.03.21
Nationality Swedish
Qualifications Doktoringenieur (Dr.-Ing.) (Product development)
 Licentiate of Engineering Degree (Tribology)
 M Sc Mechanical Engineering
Experience >25 years: Automotive Industry, Mechanical Industry,
 Medical Industry, Nuclear Power Industry, and University of Technology.
 Product and Business Development, Project Management, New Product Development, Self-Employed Consultant, Research & Lecture at Technical University.
Placement Göteborg, Sweden



Recent employments

Lars T R:son Holmdahl HB	present 2010.01		Management consulting Product- & Business Development	Self employed
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 employed
Bertrandt Sweden AB (In 2003 Bertrandt terminated activities in Sweden)	2003.07 2001.04	Project Manager	Project Coordination, Project Budgeting / Controlling, Acquisition of assignments, Recruiting, Project Leadership, 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 & Technology 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 Manager	Project Management	
Lars T R:son Holmdahl HB	1997.11 1992.11		Project Management Product- & Business Development	Self employed
Swepart Development AB	1991.10 1990.08	Manager of Technology	Project Management, Recruitment, (Member of the management team). All activities terminated as the automotive part of the Swepart group was acquired by Trustor AB	
Lars T R:son Holmdahl HB	1990.07 1982.05		Project Management & New Product Development	Self employed
Chalmers University of Technology	1985.09 1982.08	Doctoral Student	Research & Teaching	
Chalmers University of Technology	1982.06 1982.05	Research Engineer	Research	
Chalmers University of Technology	1981.12 1980.09	Student Study Counselor	Counseling	

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Non-Project Management Experience

- ❑ *Management Consulting*. Deployment of new product development
- ❑ *Teaching*. At universities and "in house"
- ❑ *Mechanical Analysis*. Rigid body mechanics, strength of materials, FDM-programming
- ❑ *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

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*, Göteborg 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.

Assignments

- 2011 **Halmstad University**
Lecturing on product development (B Sc. level, half semester course) at Halmstad University, Division of Business and Engineering.
- 2011 **HemoCue AB**

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- 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 **Flexlink AB**
Lean product development training.
- 2011 **Swerea IVF**
Giving external courses in 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 **Chalmers Professional Education AB**
Lecturing on Dynamic Product Development and process mapping in LPD-course
- 2010 **Swerea IVF**
Giving external courses in 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

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- 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**
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**

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- 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 advise 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.
- 1999 **Frontec Research & Development AB**
Initiating and managing a company internal development project, an internet initiative, called COD, Calculations On Demand (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/Prosolvias**
Ergonomic study and development of head connect structure of a new Lean Head Mounted Display (for Virtual Reality applications).
- 1998 **Prosolvias 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

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- 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.
- 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. Tvengsberg 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 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.

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- 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

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
- 1973-74 Military Service
- 1967-73 Airline Mechanic: Braathens SAFE, Swedair Ltd, Ostermans Aero, Svenska Flygverstäder-na, Torslanda Flygservice
- 1971 Military Service
- 1969-71 Chalmers University of Technology, School of Engineering Physics
- 1966-69 High School