

Curriculum Vitae

1. **Family name** Leander
2. **First names** Per
3. **Date of birth** April 28, 1947
4. **Nationality** Swedish
5. **Civil status** Married



6. Education

Institution	University of Technology, Lund, Sweden
Date:	1968-1973
Degree(s) or Diploma obtained	Master of Science, Technical Physics

7. Language skills

Language	Reading	Speaking	Writing
English	5	5	5
German	5	4	2
French	5	4	2

8. Membership of professional bodies

None

9. Other skills

Computers, Teaching

10. Present position

Managing Director Transrail Sweden AB

11. Years with the firm

Joined Transrail 1995

12. Key qualifications

- Railway Systems design
- Management (organisations, projects)
- Management of technology
- International technical co-operation
- Traction and rolling stock (design and maintenance)
- Passenger and freight transport systems
- Information systems (IT)

13. Foreign Countries professionally visited

Country	from	to
Most European countries		
USA/Canada		
Republic of China	Oct 1983	Dec 1983
India		
Turkey	March 1986	Oct 1987
Singapore		
Estonia	1996	1996

14. Professional Experience Record

General (not full time):

Date:	1995-
Location:	Stockholm, Sweden
Company:	Transrail Sweden AB

Transrail is a professional firm, with the prime objective to provide systems engineering services and advice on technical strategies in the transport sector, especially the railway sector. The company was started in 1995.

Position: Managing Director and Senior Consultant

Description:

2008

Specifications of Rolling Stock maintenance depots and workshops (Skånetrafiken)

2007-2008

Main responsible for EuroMaint Rail delivery of maintenance of passenger coaches to SJAB (EuroMaint)

2006

Feasibility study for railway container transport system to/from a new container port in Norvik outside Stockholm. (Stockholms Hamnar)

2005-2006

Project management of tendering for the operation of Stockholm commuter trains (Keolis)

2006

System revision (safety audit) of EuroMaint Rail's maintenance of the rolling stock in SL's commuter train traffic. (Stockholmståg)

2004-2006

Development of the Computer Aided Train Operation concept intended to optimise train driving, thus reducing operational costs and enhancing line capacity. (Banverket, LKAB)

2002-2003

Forecast on the future fleet and technical standards of railway rolling stock in Sweden. (Banverket)

2003

Future market of high speed trains in Europe (Banverket)

2003

Strategic study on the future conditions for maintenance of the commuter trains in the Stockholm area. (Citypendeln)

2003

Analysis of a new intermodal transport system for Rail Combi (today CargoNet) (Rail Combi)

2003-2004

Execution of the Settlement Agreement action plan to finalise the delivery of the Arlanda Express rolling stock. (A-Train)

2001-2002

Development of models for the calculation of rail freight transport operational costs to be used in strategic studies. (Banverket)

1998 - 2000

A study and proposal on the organisation of the railway sector as regards roles and responsibilities for traffic safety and vehicle development. (SJ, BV)

1997-99

Participation in the writing of a book on design and design management in the public transport sector. (TFK)

1997

Development of a vision for an efficient passenger transport system in the region of Bergslagen. (Intresseföreningen Bergslagen)

1997-02

Expert customer support on Rolling Stock for the new Stockholm airport shuttle train service. (A-Train)

1996

Contract for the European Commission, Directorate VII (transport) Responsible for preparation of the task force program "Trains and Railway Systems of the Future". (EC, DGVII-E/3)

Date: 1993-1995

Location: Stockholm, Sweden

Company: Swedish State Railways

Position: Staff of the President and the Managing director of the Mechanical Engineering Division

Description:

Responsibility and participation in various strategic projects within the division and SJ, such as:

- Information technology (IT) strategy of the division
- Organisation and business development
- Maintenance strategies and organisation
- SJ R&D strategies and planning
- Systems for technical documentation

International cooperation, among other things.

1995-1996

Member of the ERRI (European Rail Research Institute) Supervisory Board

1993-1995

Representative of SJ in the UIC¹ C12 Committee (Research and Development). 1993-1995

SJ co-ordination of national and international matters concerning railway technology and

¹ The International Union of Railways

development. Chairman of the Traction and Rolling Stock Secretariat of the Nordic railways (DSB, NSB, SJ, VR). The objective of the secretariat is to co-ordinate the activities of the Nordic railways within the field of traction and rolling stock. The activities concern development, standardisation, acquisition and maintenance of rolling stock as well as the utilisation of the joint resources of the Nordic railways.

1988-1995

Participant in the UIC C5 Committee (Traction and Rolling Stock) on behalf of SJ.

1988-1991

Member of the ORE (UIC Office de Recherche et Essais) Control Committee.

Date: 1993

Location: Stockholm

Company:

Position:

Description:

Chairman of a steering group for research activities on industrial design in the domain of public transport

Date: 1987-1993

Location: Stockholm, Sweden

Company: Swedish State Railways

Position: Manager of the Technical Unit, Rolling Stock Division, SJ

Description:

The Technical Unit is a unit of approximately 100 engineers, responsible for the technical systems of SJ rolling stock, including acquisition and refurbishing of SJ rolling stock; locomotives, multiple units, passenger coaches, freight wagons. 1988-93 was a period of implementation after the major reorganisation of the engineering resources of SJ as mentioned below.

Date: 1985-1986

Location: Stockholm, Sweden

Company: the Royal Institute of Technology

Position: Leader of the Traction Research Group

Description:

Activities covering education, research and development of electric traction systems, i.e. power circuits and controls of vehicles and power supply systems.

The research group was formed in 1985

Date: 1982-1986

Location: Västerås, Sweden

Company: ASEA TRACTION (today part of Bombardier Transportation)

Position: Manager of the System Engineering Office

Description:

Responsibility for development, tenders and delivery projects considering electrical systems (main circuits, auxiliary systems, control systems) of railway vehicles and railway power supply stations.

Date: 1981-1982

Location: Västerås, Sweden

Company: ASEA TRACTION (today part of Bombardier Transportation)

Position: Manager of the Development Office

Description:

Date: 1976-1981

Location: Västerås, Sweden

Company: ASEA TRACTION (today part of Bombardier Transportation)

Position: Development Engineer

Description:

Development of vehicle tilting systems and related tests on an experimental high speed train.

Computer simulations of vehicle dynamics and running properties.

Date: 1973-1975
Location: Lund, Sweden
Company: AB Tetra Pak
Position: Development engineer
Development of microwave dielectric sealing systems

Description:
Development of microwave dielectric sealing systems

Date: 1969-1973
Location: Lund, Sweden
Company: Lund Institute of Technology
Position: Teaching

Description:
Physics. Computer and Information Systems

15. Others

Specific Project Experiences

2000-

CATO (Computer Aided Train Operation)

Feasibility study and development of a System Requirement specification for a system to optimise train driving, thus reducing operational costs and enhancing line capacity.

1998-

Public Transport operation tenders

Project Management and participation in a series of traffic operation tenders.

Stockholm metro services	2008
Öresundståg	2006
Stockholm Commuter train services	2005
Tåg i Bergslagen	2005
Stockholm Commuter trainservices	1998

1994-1995

Rolling Stock Strategy of the Nordic Railways

Project Manager. The objective of the project is to develop a common Nordic strategy for joint acquisitions of railway rolling stock.

1993-1996

Cargo System 2000

Project manager of the SJ project " Cargo System 2000". The objective of the project was to establish a vision for a future freight transportation system for the Swedish State Railways.

- Building of a database on freight transport equipment (road, rail, intermodal).
- Building of a database on requirements for the transport of various types of commodities.
- Simulation of goods transport flows and modal split depending on railway (wagon-load and intermodal) transport system scenarios.
 - Railway transport system design and feasibility studies. Among other things a new concept for a Swedish intermodal transport system was developed, a system compatible with existing equipment but with clear possibilities to reduce costs and increase quality.

1988-1990

Regional Trains

Manager of the project program "Regional Trains" on behalf of the Swedish Transport Research Board. Pre- and feasibility studies for a new generation of trains for Swedish regional train services.

1987-1988

New M

Project manager for the reorganisation of the engineering department within Swedish State Railways. The department is working on development, design, acquisition and maintenance of locomotives and wagons.

1986-1987

Istanbul LRTS

Istanbul Light Rapid Transit System, a turn key project (25 km LRT-line) carried out by the Consortium ASEA TRACTION (Sweden) and Yapi Merkezi (Turkey).

Main responsibilities during the design phase of the project:

- Overall system design, covering major work on:
 - city planning and LRT-system integration
 - station designs
 - depot and workshop design
 - power supply and catenary system
- Technical co-ordination of the project
- Manager of sub-project "Signalling and Safety System"
- Manager of technical consultants activities

(from Stockholm Metro, Gothenburg Tramways, London Transport International and others)

1978-1982

Rz

Project manager for the development of ASEAs first prototype (5 MW) locomotive with three-phase induction motor drives. New development of the electric drive and control systems as well as electric components (traction motors, semi-conductors etc.).

1976-77

Development and investigations regarding mechanical systems of railway vehicles:

- Computer simulations of vehicle dynamics and running properties
- Development of vehicle tilting systems and related tests on an experimental high-speed train.

Publications:

Resa i Design (A travel of design) – a handbook on industrial design of public transport systems (KFB rapport 1999:33, ISBN 91-88371-50-6).

Eurotrains - a concept for passenger trains of the future (The community of Nordic Railways 1996)

The Swedish X2000 High-Speed Train - Development, Acquisition and Operation Experiences (JSME, The International Conference on Speedup Technology for Railway and Maglev Vehicles, 1993)

Quality Cargo (SJ internal report on a concept for future intermodal freight transports, 1991)

New possibilities for new regional trains (TFB, the Swedish Board of Transport Research, report 1990:3)

A concept for an HVDC traction system (IEE, International Conference on Main Line Railway Electrification, 1989)

Traction systems (Railway Technical Education, Royal Institute of Technology, 1987)

A low weight supply circuit for asynchronous traction fed from a 162/3 Hz line (European Conference on Power Electronics

and Applications, Grenoble 1987)

Thyristor locomotives with three-phase drives - development for the future (ASEA Journal no.1, 1984)

Thyristor traction drive systems (ASEA traction seminar 1978)

PINNMAN -a crash victim simulator (Institution of Solid Mechanics, Lund Institute of Technology, 1973)