

## Curriculum Vitae

1. **Family name**           Kloow
2. **First names**           Nils Thore Lennart
3. **Date of birth**           15 February 1950
4. **Nationality**           Swedish
5. **Civil status**           Not married



### 6. Education

<b>Institution</b>	Linköpings Tekniska Högskola
<b>Date:</b>	1969-1975
<b>Degree(s) or Diploma obtained</b>	M.Sc. Mechanical Engineering
<b>Institution</b>	Handelshögskolan i Stockholm
<b>Date:</b>	1999 - 2000
<b>Degree(s) or Diploma obtained</b>	Management
<b>Institution</b>	Högskolan i Kalmar
<b>Date:</b>	1992-1993
<b>Degree(s) or Diploma obtained</b>	Business economics
<b>Institution</b>	SJ-skolan
<b>Date:</b>	1979-1993
<b>Degree(s) or Diploma obtained</b>	A number of different internal SJ courses

### 7. Language skills

Language	Reading	Speaking	Writing
English	5	5	5
Swedish	5	5	5
German	5	5	5

### 8. Membership of professional bodies

None

### 9. Other skills

- Teaching
- Business management
- Railway safety education

### 10. Present position

Project manager and senior consultant, Transrail Sweden AB

### 11. Years with the firm

7

### 12. Key qualifications

- Broad knowledge of railway and railway vehicle technology
- Project management, technical studies and reports
- Wheel wear and running dynamics
- Measurements in railway environments
- Examined in safety for work/shunting on BV tracks
- Safety regulations in railway and tramway operation
- Studies and tests concerning winter railway operation
- International railway traffic and railway technique experience

### 13. Foreign Countries professionally visited

Country	from	to
Most West European countries, Yugoslavia, Serbia, Turkey, Canada, USA, India, China.	1984	2006
In Norway, USA, India and China as project manager/test manager	1994	1999

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## 14. Professional Experience Record

**Date:** November 2000-

**Location:** Sundbyberg, 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:** Senior Consultant

### Description

#### 2001-2006

Project management of mechanical issues in conjunction with settlement of rolling stock delivery contract. (A-Train)

#### 2001

Review of the Yugoslavian Railways (Serbia and Montenegro) as regards short term actions to rebuild/modernise rolling stock. Half the time for the work was spent in Yugoslavia. (Hifab/SIDA)

#### 2001-02

Technical support and analysis to railways companies including wheel wear and running dynamics. (A-Train, TKAB)

#### 2003-04

Team leader for inspections of ex SJ electric locomotives, EMUs and passenger cars in conjunction with changed ownership. (ASJ)

#### 2003-04

Specifications for the service of a new tramway system in Eskesehir/Turkey including Master Operations Plan (traffic and driver procedures and operation), Safe Operations Plan (Rule Book and emergency procedures) and Mobilisation Plan (Organisation and training plan).

#### 2004

Review of the maintenance possibilities in the Bro depot of the commuter trainset X60. (Cip)

#### 2004-05

Risk analyses and studies of the service and manning for X60 maintenance in Bro depot. (Cip)

#### 2005-06

Determining the brake parameters for a ore train to the CATO project (Computer Aided Train Operation). (BV)

#### 2005-06

Review of high speed related winter problems in

railway operation. (BV)

#### 2006

Compilation of the safety documents for running PRT vehicles on a testline in Uppsala including Rule Book and Safety instructions. (Vectus)

#### 2006

Review of the vehicles and maintenance of the Serbian Railways and the need for modernisation. The study was mainly made in Serbia. (ÅF)

#### 2006-2007

Project management of the installation of an automatic wheel and brake pad identification and measurement system in the Bro depot. (Euromaint)

#### 2007

Technical investigation of a rail collision on Danish State Railways (DSB).

#### 2007

Project management for improving the functioning and the maintenance for the local rail bound vehicles on the SL network in the Stockholm (Tågia).

#### 2007-

Project management for the main overhaul of the Ofofbanen locomotives including overhaul documentation. (OBAS)

#### 2008

Procurement of the main overhaul for the locomotives and the EMUs belonging to Affärsverket Statens Järnvägar. (ASJ)

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**Date:** March 1989 – December 2000

**Location:** Solna, Sweden

**Company:** SJ Teknikdivision, Laboratory

The Laboratory takes care of testing of all kinds of railway vehicles in Sweden and abroad. A unique technique was developed for measuring wheel – rail forces. The measurements were performed for the railway industry and – to a minor part – the railway companies.

From Sep 1997 SJ Chemical Laboratory became a part of the Laboratory with all types of chemical testing and environmental studies.

The number of employees has been around 15.

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**Position:** Manager

**Description:**

1989-2000

Manager of the test centre including negotiations with customers, offers, economical responsibility, responsibility for the employees regarding electrical, environmental, working and railway safety.

Thereto test manager during testruns both in Sweden and abroad.

Wintertests of vehicles and components.

A number of technical reports in Swedish, English and German.

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**Date:** August 1979-March 1989

**Location:** Stockholm, Sweden

**Company:** SJ Maskindivision

**Position:** Rolling Stock Mechanical Engineering

**Description:**

1979-1981

Development of programmes for calculating the forces between wheel and rail on a running rail vehicle.

1980-1989

A number of reviews on wheel wear and pantograph operation.

1981-1983

Mechanical inspector of electric and diesel locomotives and EMU:s in conjunction with deliveries of new rail vehicles.

1981-1986

Project manager for the development and testing of resilient wheels on class Rc locos.

1985-1989

Development of a new lubrication system for class Rc locomotives for wheel-rail lubrication.

1985-1989

Responsible for pantographs of all SJ vehicles. Testing of new types of pantographs, studies of the interaction between pantograph and over head wires, development of a new test method for carbon strips to the pantograph head, modifications of the maintenance programme.

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**Date:** July 1975 – August 1979

**Location:** Linköping, Sweden

**Company:** Linköpings Tekniska Högskola

**Position:** Assistant

**Description:**

1975-1979

Teaching in Mechanics, Mechanical Engineering and Design, Drawing and Fine Mechanics. Guidance of students in technology.

1976-1977

Studies of sound emissions from high speed trains.

1977-1979

Studies of modern tram designs.

## 15. Others

**Selection of Courses/Certificates:**

1989-99

LOTS - Business Management Coach.

1986-1991

UIC WG C179

Member of a UIC (international Union of Railways) working group C 179 dealing with aerodynamic effects on pantographs.

1990-1992

UIC WG B176

Member of a UIC working group B 176 dealing with new bogie designs and improved running performance.

## 16. Publications

1980-2000

A great number of technical and economical reports, mostly internal SJ, as well as laboratory reports after tests.

1979

Moderna spårvagnskonstruktioner i Västeuropa (Modern tram design in Western Europe).

1976

Förslag till konstruktion av mät- och belastningsvagn för SJ (Proposal for

measurement and loading test car för SJ)