

# CV - Hans Gunnarsson

Systems Engineer, AB Nordisk teknik

---

## Summary

Described best as a T-shaped system engineer with a wide scope as well as a profound expertise in several vehicle technology systems. I capture the whole picture, comprehend the needs of stakeholders, identify the technical conditions, develop concepts and lead the work towards the best solution.

---

## Personal data

Hans Gunnarsson, born: March 12, 1968.

Family: Consists of wife, an adult daughter, a daughter and a son.

Leisure: House. Hang out with relatives and friends. Travel in Europe. And when I have the time also outdoor activities, snowmobiling, skiing, hiking and some hunting.

Interests: Historic racing, military flights, machines, engines and vehicles. System solutions in different designs. Have basic flight skills and enjoy the aircraft environment. Military technical history.

---

## Experiences

System Engineer, owner of AB Nordisk Teknik

January 2015 - Now

Development of fleet management systems for example Fleet Cloud, which includes:

- |   |                    |
|---|--------------------|
| - Collection of customer needs and requirements   | - Acceptance test  |
| - Define customer requirements  | - Back-end support |
| - Define requirements specifications  | - Documentation    |
| - Agile system development of control systems, calculation algorithms and web-based user interfaces | - Sales            |
| - System Test   | - Customer support |
|   | - Training         |
|   | - Design           |

Troubleshooting and repairs on snow removal equipment for airports. Snow groomers for ski slope preparation.

Diagnostics, troubleshooting and repair of complex vehicle systems. For example. Injection systems, hydraulic systems, control systems and electrical systems.

My specialty is solving problems where others have already given up, and it is a tense relationship between customer and supplier.

Training of mechanics and users on machines and complex vehicle systems.

Engineer, Senior Technical Consultant and Owner at AB Nordisk Teknik

March 2014 - January 2015 (11 months)

Diagnostics / Troubleshooting and Repair of Complex Vehicle Systems.

Practical method works and production of service literature for special machines. Mainly Øveraasen snow removal equipment for airfield.

Troubleshooting, repair, maintenance, modification and warranty support of engines, work machines, light / heavy vehicles, airfield maintenance machines, construction machinery and snow groomers.

Engines: Mercedes, MTU, Isuzu, World Championship Motor, Hatz et al

Machines: Øveraasen, Prinoth, CAT, Vammas, AEBI Schmidt, Volvo, Scania, Mercedes Benz.

Service Market Manager at Haraldsson's Tunga Fordon

September 2013 - February 2014 (6 months)

Customer service, workshop management, technical management, warranty and complaint management for a workshop that works with Mercedes-Benz trucks, HIAB / Cargotec and New Holland.

Senior technical consultant at Saab

June 2012 - August 2013 (1 year 3 months)

Development, sale and installation of products and services in connected vehicles and vehicle systems. A system for automatically retrieving and transfer data from different types of vehicles to a server for processing and presentation in clear and easy-to-use interface for web browsers, tablets and smartphones.

Management of a project group for specifying vehicles to military customers.

Engineer, Senior Technical Consultant and Partner of AB Nordisk Teknik

April 2006 - May 2012 (6 years 2 months)

Management of up to eight people, sales, project management.

Technical development mechanics, hydraulics, engine technology.

Troubleshooting, repair, maintenance, modification and warranty support of engines, work machines, light / heavy vehicles, airfield maintenance machines, construction machinery and pistons.

Training of mechanics and drivers of airfield maintenance machines.

Practical method works and production of service literature for airfield equipment.

Review / development of system security.

Engine service: Mercedes, MTU, Detroit Diesel, Hatz et al.

Machine service: Prinoth, Øveraasen, Ljungby Machine, Ponsse, EcoLog.

Technical consultant and system engineer at Saab Aerotech

August 2001 - April 2006 (4 years 9 months)

Main field of work: Vehicle technical systems.

Development of diesel engine diagnostics Volvo Trucks.

Repair and troubleshooting methods.

Construction of hydraulic testing systems in forest harvesters.

Trained mechanics on airfield vehicles and rescue vehicles.

Completed benchmarking on airfield maintenance machines.

Technical investigations, expert in engine, driveline and hydraulics.

Development and lifetime extension of machines.

Maintenance and modification of a prototype to a new mine hardened armoured patrol vehicle.

Hydraulic specialist at Lugnvik Mek. and Machine

February 2001 - July 2001 (6 months)

Worked as a technical specialist in hydraulics and pneumatics.

Product specialist in engine and transmission electronics,

Technical Service at Volvo Trucks

January 2000 - January 2001 (1 year 1 month)

Supported Volvo Trucks' marketing companies in Europe and the rest of the world with troubleshooting in engine and transmission electronics.

Test drive problem trucks and solve technical problems.

Collaborated close with development departments with development of engine diagnostics, problem solving and improvement of production.

Engineer Development Engineer, Engine Development, at Volvo Trucks

August 1998 - December 2000 (2 years 5 months)

Developed diagnostics and troubleshooting on Volvo's heavy diesel engines.

Trouble-shooting engines on test trucks and in test beds.

Test drive and evaluated prototype trucks.

Experience from measurement systems.

Develop an aftermarket-friendly method and tool for torque measurement on the drive shaft.

## System technician vehicle at Telub teknik

1995 - July 1998 (3 years 7 months)

Trained mechanic on airfield equipment and rescue vehicles.

Performed method work for documentation Volvo Trucks.

Developed training rigs for trucks with modern electrical systems.

Trained staff and developed methods and tools for troubleshooting, problem solving on mechanical, electrical and hydraulic systems using known fault symptoms, diagnostic systems and control of subsystems, etc.

Made testing and evaluation of serial prototype, based on requirement specification.

Performed delivery controls of military field equipment at foreign supplier.

Established power consumption profiles for police cars.

## Technical Officer, Norrland's Artillery Regiment at the Swedish Armed Forces

1989 - 1995 (7 years)

Training of conscripts as systems technicians and mechanics.

Management of and work with technical service as a company technician and battalion engineer.

Trouble shooting, repairing and salvage field howitzers, light, heavy, construction and terrain vehicles in the field and at the workshop.

## Surveying assistant, extra during studies at Mätkonsult Br. Bergstrand AB

1984 - 1987 (4 years)

Participated in field and machine surveys in the construction and pulp industry.

Performed calculations of measured volumes and position (polygon trains, triangulation), terrain modulation and mapping using computers.

---

## Training

War College Karlberg, Stockholm

Lieutenant, 202th General Course, 1993 - 1994

Army Technical School, Östersund

Second Lieutenant, Officer College of Vehicle systems 1989 - 1991

Bodens Engineer Regiment, Boden

Sergeant, Engineering Company, 1988 - 1989

Wargentinskolan, Östersund

Engineer, Electric Power, 1984 - 1988