



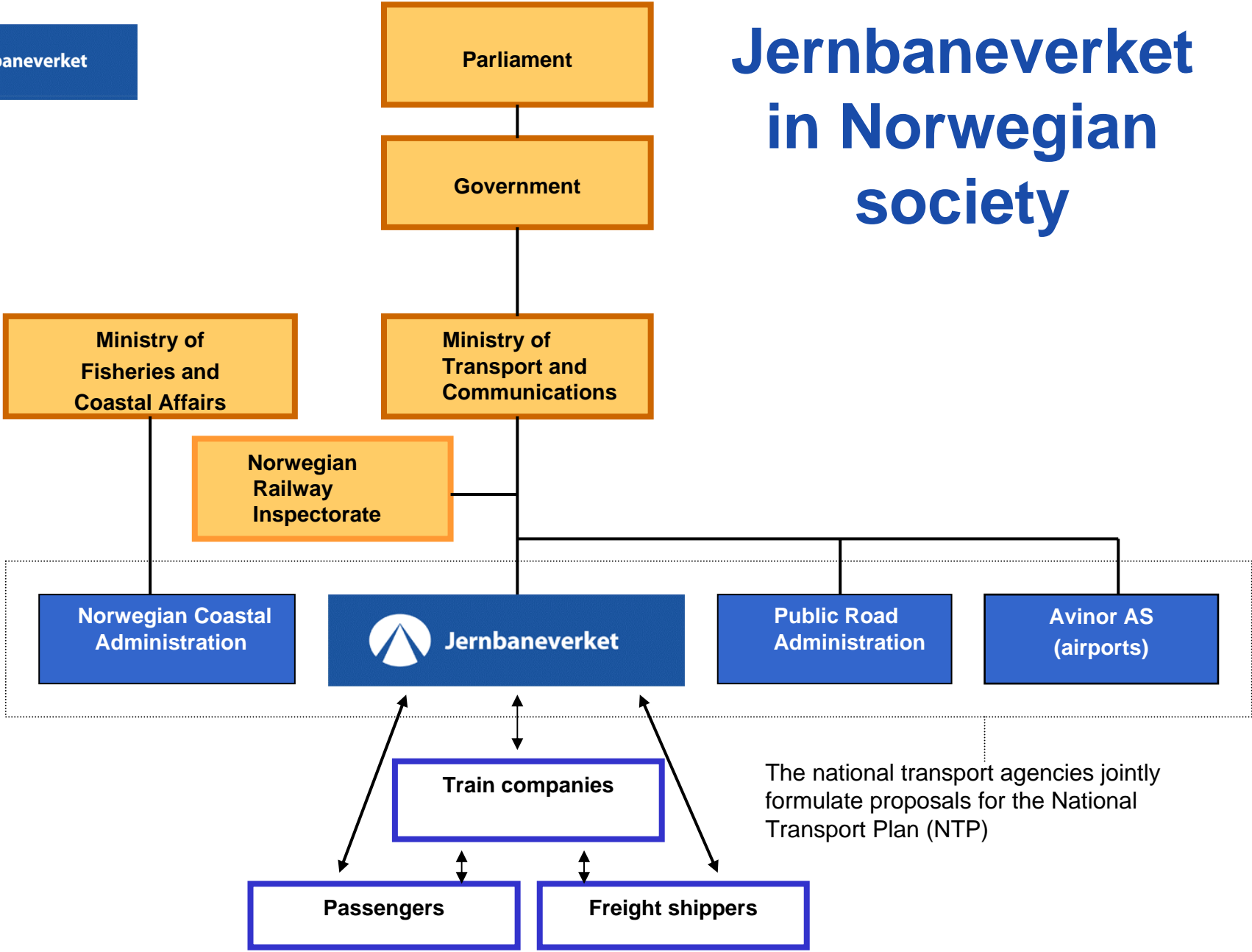
Jernbanelinjen

2010

**On track for more!**



# Jernbaneverket in Norwegian society



# Ownership

In 1996, the former Norwegian State Railways (NSB) was split into a train company, NSB BA, and an infrastructure manager, the Norwegian National Rail Administration (Jernbaneverket).

Jernbaneverket owns:

- Railway lines
- Platforms and waiting areas
- Stations built since 1996
- Electrification equipment
- Signals and interlockings
- Traffic control systems
- Telecommunications systems



# Our core processes

- Planning, designing and constructing rail infrastructure
- Operating and maintaining rail infrastructure
- Allocation track capacity
- Operational traffic management



## Our tasks

- To provide Norway's train companies with a safe and efficient transport system
- To plan, improve and maintain the rail network, including stations and freight terminals
- To manage rail traffic
- To plan and produce timetables
- To allocate track capacity between different train companies



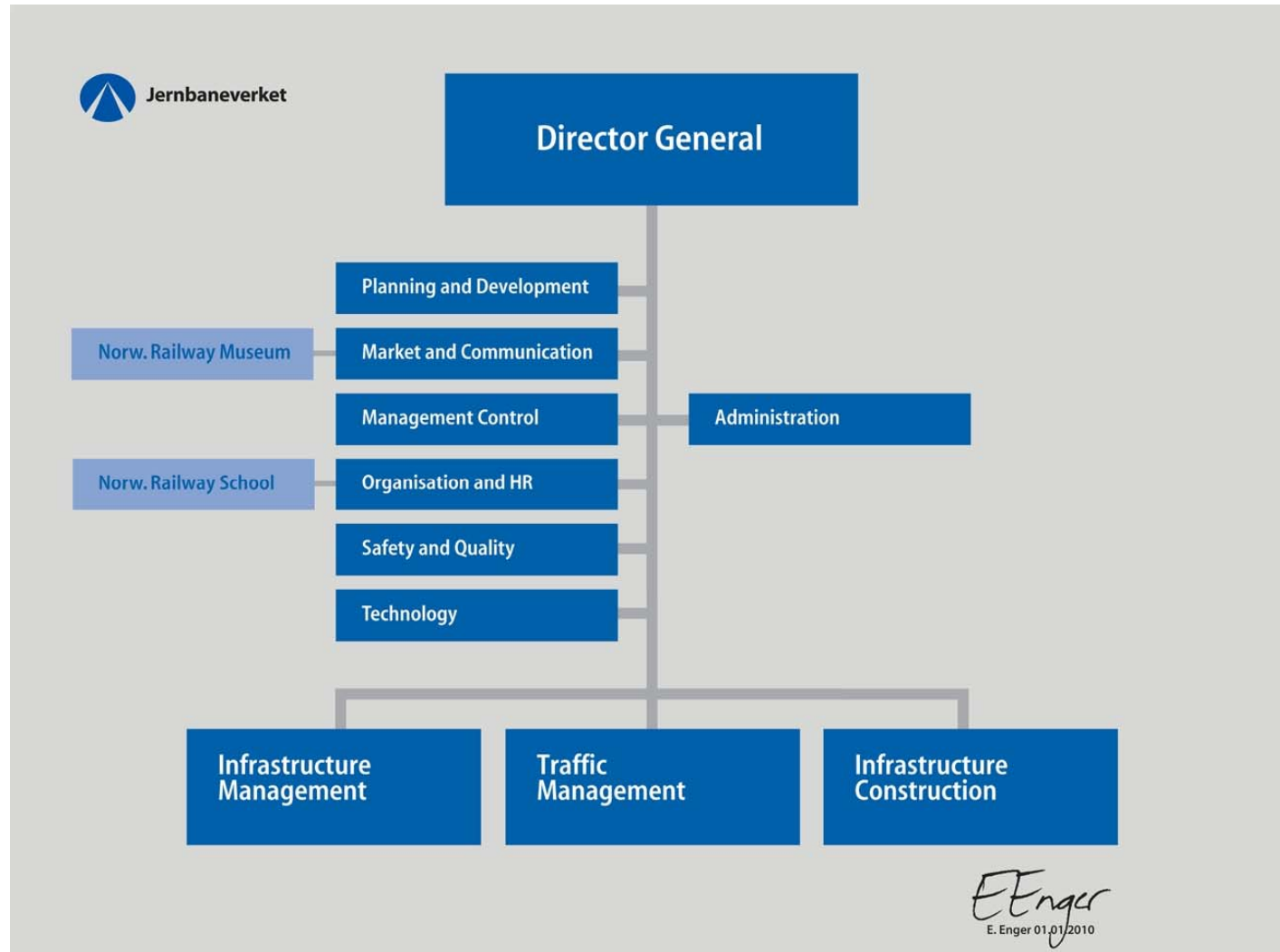
## Our core areas

- Safety, Punctuality and Customer Satisfaction
- Productivity and Quality
- Competence and Culture





# Our organizational structure





# National Transport Plan (NTP) 2010-2019

The Government's White Paper for the period will provide the following Railway development:

- efficient implementation of projects already under way
- 55 percent increase in funds available for maintenance
- 116 km of new double track
- 28 km of new single track
- 45 new passing loops

# The Norwegian rail network

- 4 169 route-km
- 241 km (5,78%) double track
- 2 764 km electrified lines
- 695 tunnels
- 2506 bridges
- 358 stations and stops with passenger traffic



## Train companies that have track access agreement with Jernbaneverket

- Cargolink AS
- Cargo Net AS
- Flytoget AS  
(Airport Express)
- Green Cargo AB
- Hector Rail AB
- Malmtrafikk AS
- NSB AS  
(Norwegian State Railways)
- NSB Gjøvikbanen AS
- Peterson Rail AB
- Railcare Tåg AB
- SJ AB  
(Swedish Railways)
- Togåkeriet i Bergslagen AB
- Veolia Transport Bane AS





# Rail – the safe way to travel

- Jernbaneverket has a zero vision for fatalities in connection with railway activities in Norway
- The number of incidents resulting in serious harm to persons, the environment or equipment shall be reduced by at least 20 per cent by 2013
- Risk analyses and learning from undesirable incidents are two key elements in Jernbaneverket's safety management
- Jernbaneverket has engaged the DNV foundation (Det Norske Veritas) to monitor the ongoing work to strengthen the organisation's safety culture.

# Think green – think rail

- Modern trains have low energy consumption
- Electric trains can transport people and goods without emitting CO<sub>2</sub>
- Electrified lines in Norway run solely on renewable energy





## Jernbaneverket – leading Europe’s railways in energy metering

BaneEnergi, Jernbaneverket’s in-house power supplier initiated the development of ERESS (European Railway Energy Settlement System), a new system for energy settlement and energy calculation for trains that could become a common European standard.

### **Benefit:**

The system has the potential to cut the energy consumption of trains by up to 15%, resulting in large cost savings for train companies.

# GSM-R

- Norway's third largest mobile phone network
- Advanced digital cellular system ensures secure communication between train drivers and controllers
- Entered service as an emergency communication system on the rail network in 2007
- The operations centre is situated in Trondheim
- Emergency calls have priority over other calls
- Improves the efficiency of rail operations





# Traffic

## Freight

More than 12 million tons of freight were transported by rail during 2008. A little less in 2009

Jernbaneverket aims to double freight capacity by 2020.

## Passenger services

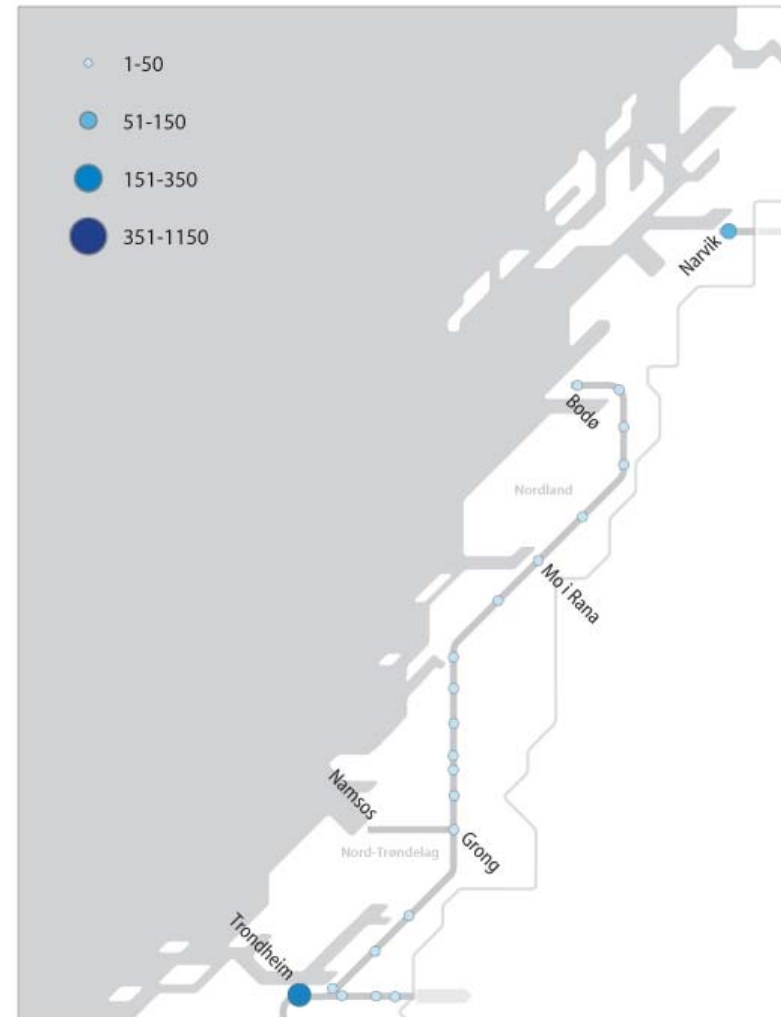
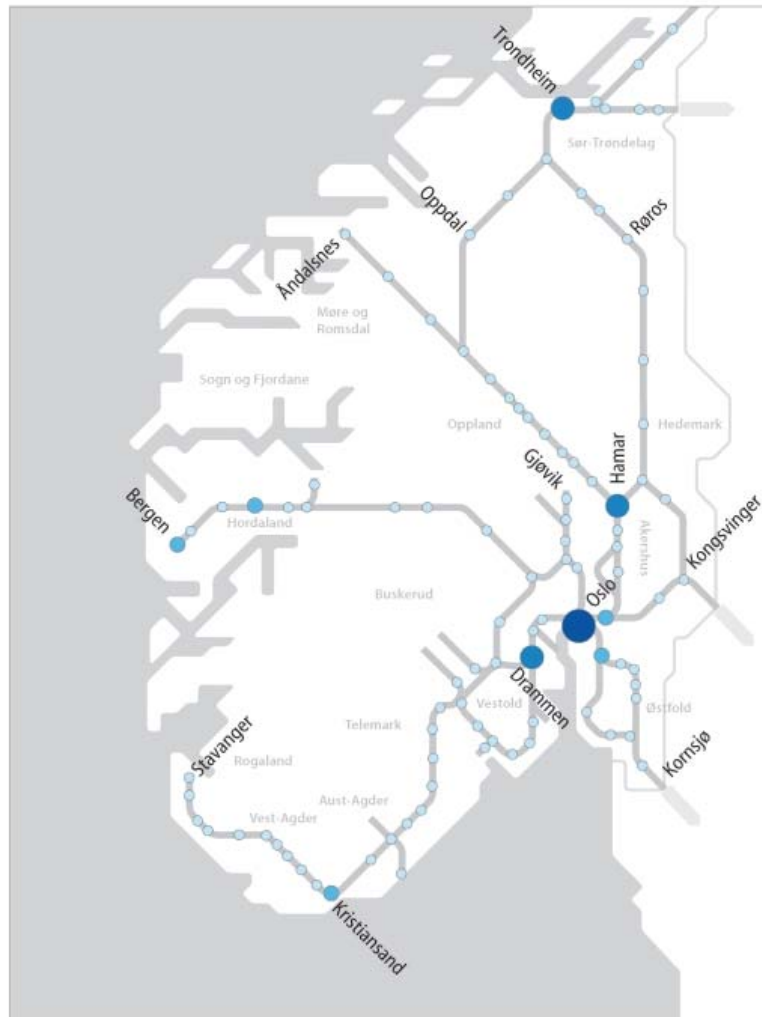
More than 58 million passengers travelled by train in 2009.





Jernbaneverket

# Locations and number of employees





## Our expertise

- Highly qualified co-workers in a range of specialist fields including telecommunications, electrical and construction trades, socioeconomic planning, scheduling and traffic management
- A European leader in modern telecommunications, and one of the leading employers of electrical and energy specialists

For current job vacancies see  
[www.jernbaneverket.no/jobb](http://www.jernbaneverket.no/jobb)

# The Norwegian Railway School

- On behalf of the rail sector, the Norwegian Railway School in Oslo offers training for locomotive drivers and specialized refresher courses
- The school aims to be an impartial knowledge provider serving the various players in the rail sector





Jernbaneverket

# Apprenticeships

Jernbaneverket offers apprenticeships lasting 2–2½ years for signal, track, power and telecommunications technicians and for electricians





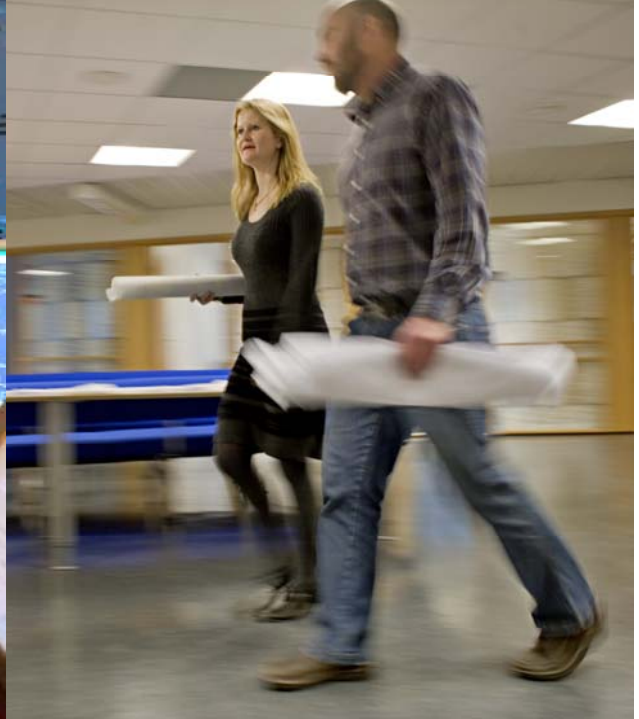
# The Norwegian Railway Museum

- An exciting experience for all ages
- Located in Hamar and run by Jernbaneverket
- Aims to document and tell the story of Norwegian railways
- Aims to increase public knowledge of railway history

[www.jernbanemuseet.no](http://www.jernbanemuseet.no)



Diversity!





For more information visit

[www.jernbaneverket.no](http://www.jernbaneverket.no)