



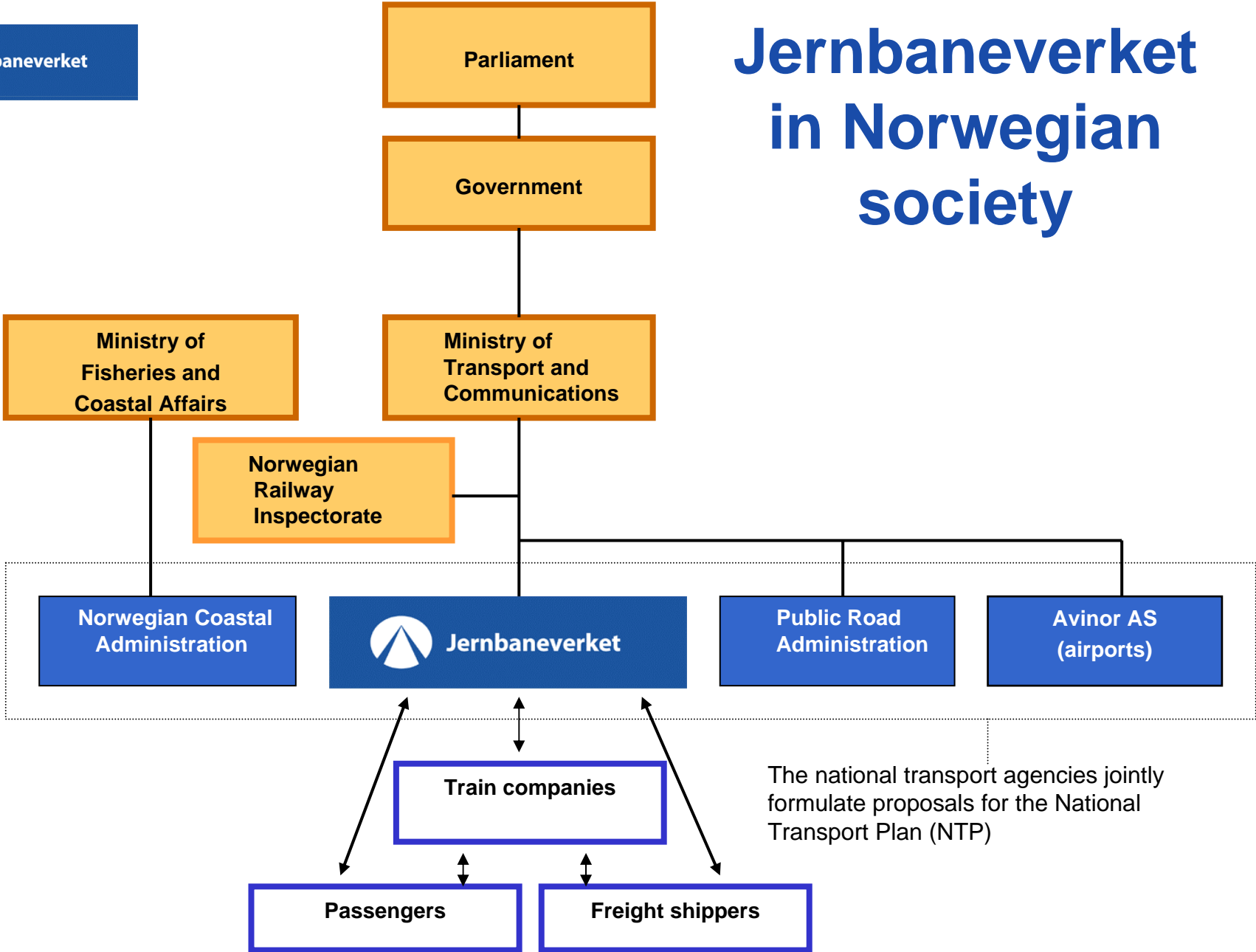
Jernbaneverket

2009

**On track for More!**



# Jernbaneverket in Norwegian society





## Ownership

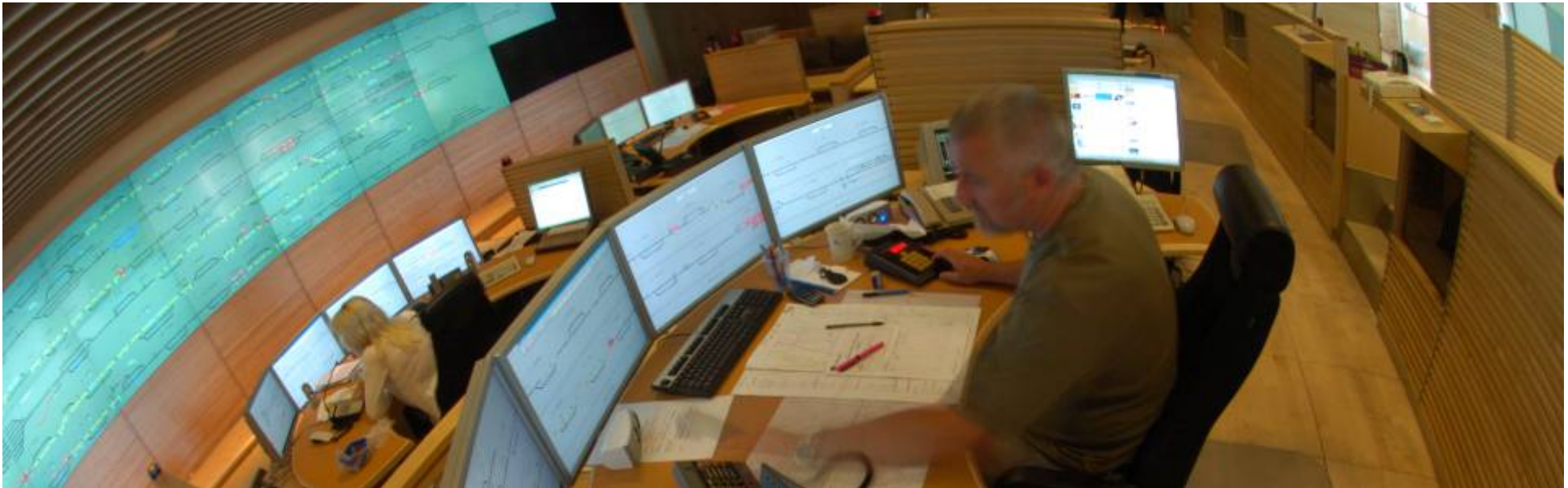
In 1996, the former Norwegian State Railways (NSB) was split into a train company, NSB BA, and an infrastructure manager, the Norwegian National Rail Administration (Jernbaneverket).

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





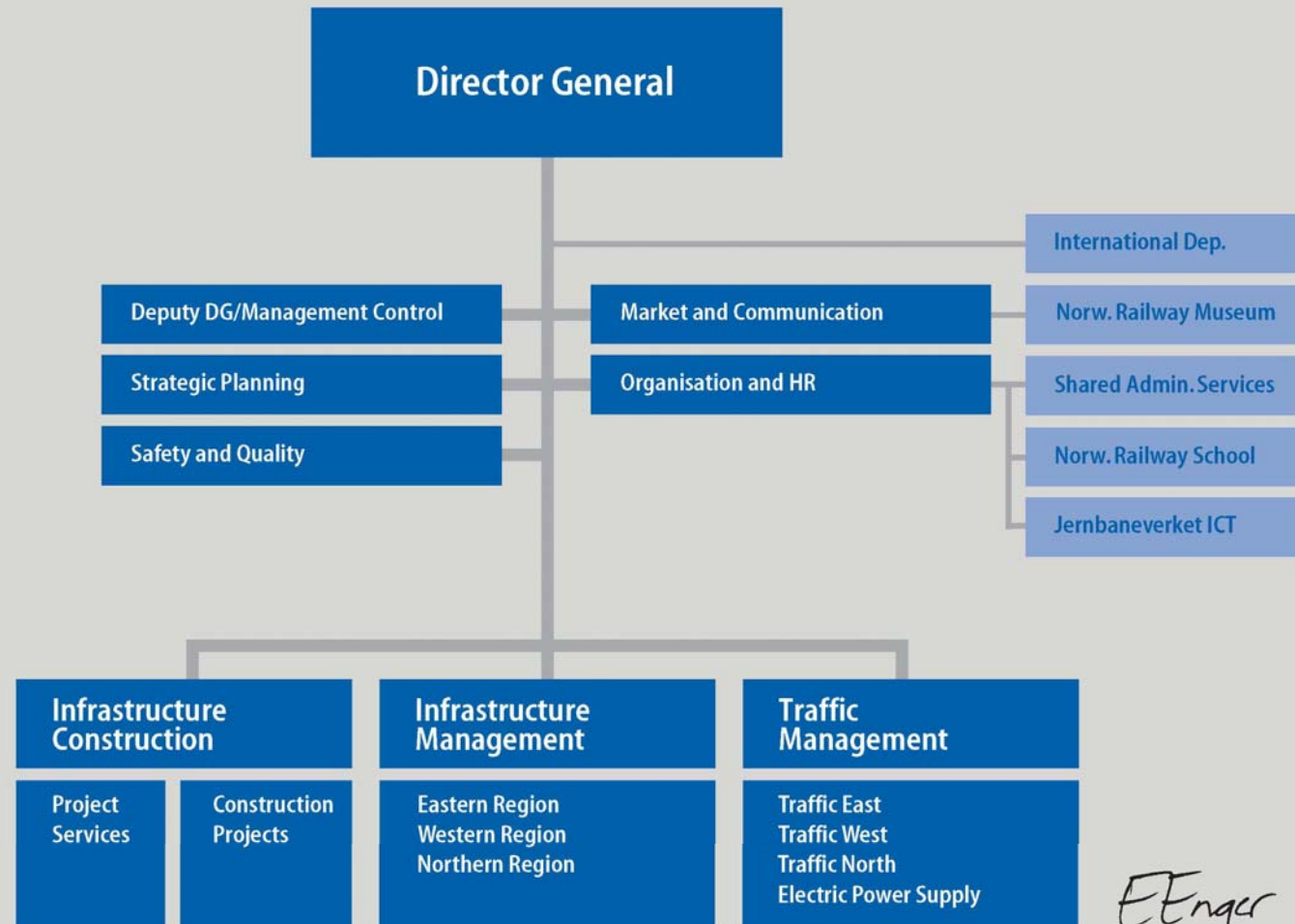
Jernbaneverket

## Our core areas

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



# Our organizational structure



*E. Enger*



# 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

- 4114 route-km
- 227 km (5%) double track
- 144 km with line speed over 160 km/h
- 2552 km electrified lines
- 696 tunnels
- 2517 bridges

## Train companies that have track access agreement with Jernbaneverket

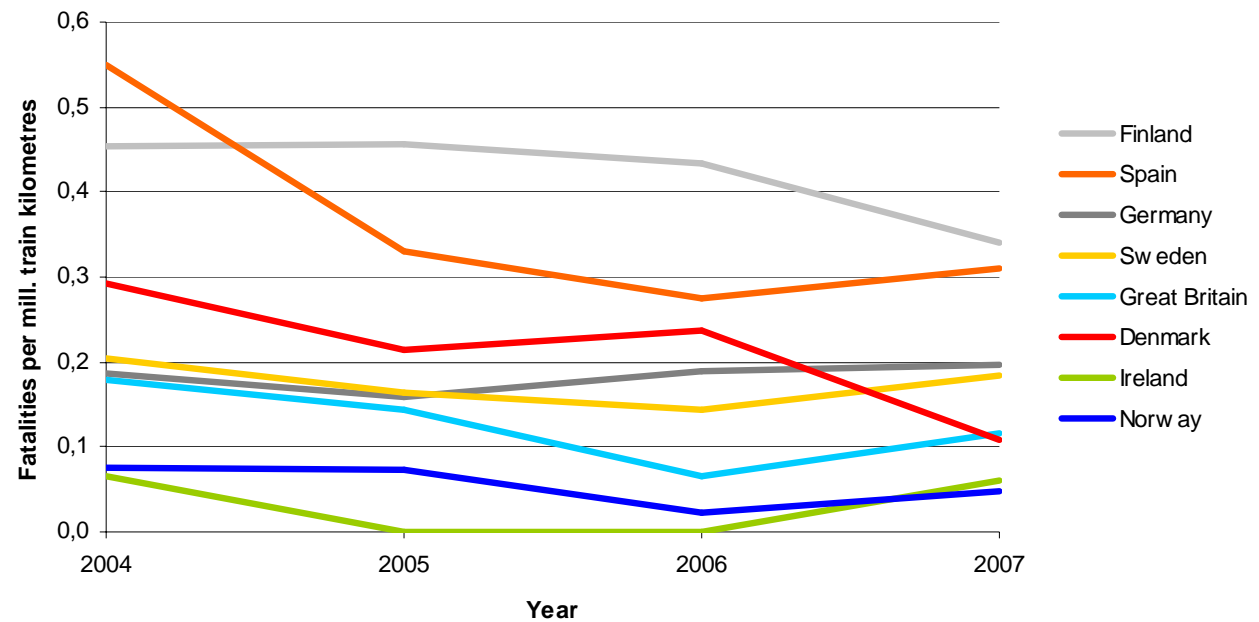
- Baneservice AS
- Cargolink AS
- Cargo Net AS
- Flytoget AS  
(Airport Express)
- Green Cargo AB
- Hector Rail AB
- Malmtrafikk AS
- NSB AS  
(Norwegian State Railways)
- NSB Gjøvikbanen AS
- Ofotbanen Drift AS
- SJ AB  
(Swedish Railways)
- Togåkeriet i Bergslagen AB
- Veolia Transport Bane AS





# Rail – the safe way to travel

- Norway has the lowest number of fatalities per million train kilometres in Europe, according to Eurostat



# 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
- Managed from a state-of-the-art operations centre in Trondheim
- Emergency calls have priority over other calls
- Improves the efficiency of rail operations





# Traffic

## Passenger services

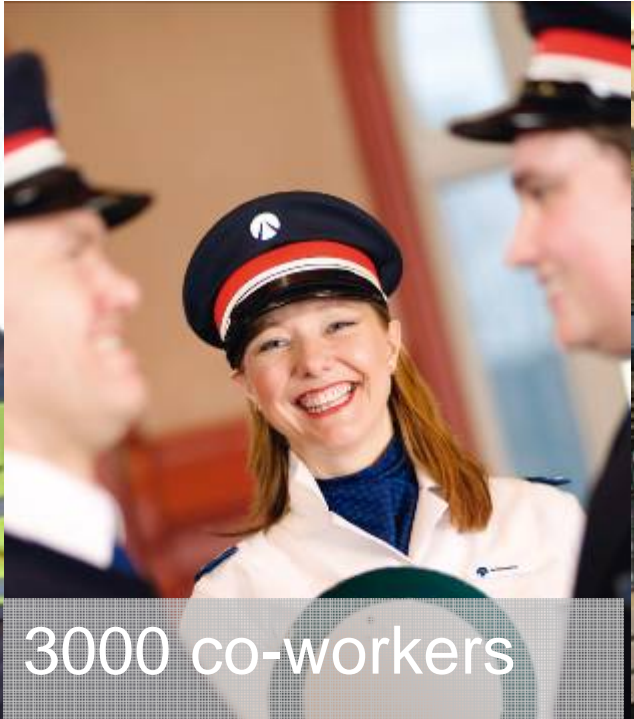
59 million passengers travelled by train in 2008

## Freight

More than 12 million tons of freight were transported by rail during 2008.

Jernbaneverket aims to double freight capacity by 2020.





3000 co-workers





## 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)