

Grindgutt – a very early sollution



- Road tolling has always been a solution in Norway
- Viking times: Frostatingsloven – The farmers was obligated to support construction with manpower
- The Norwegian participation spirit (dugnadsånd) – we have always helped/or taken charge if we wants something done
- 1814: the first Norwegian Parliament
- 1824: The first road law – more responsibility from local to central government
- 1828: Spending outgoes sources – need to have more local involvement...



Road tolling to maintenance



Early "toll-plaza" Kleivmannen ca 1865

Kind request for money to maintain the abandoned "Kongevei/kingsroad":

Oh! I have roamed over many lands, but never yet have seen
Natures face so grand and fair as in this land, I ween.
And from this cleft how calmly grand the varied beauties vie!
The nesting hamlet, glassy lake, and mountain towering high!
Tis true tis word a pilgrimage, but why not smooth the way!
Help us, my friend, -yon box-your mite; it shall be as you say.

The road law – road tolling, some history



- Nygårdsbroen was built by a private company as a road tolling project in 1851. Toll was collected both from vehicles and pedestrians until 1871
- Gimse bru in Melhus built in 1849. Toll from 1851
- Picture shows bridge from 1929

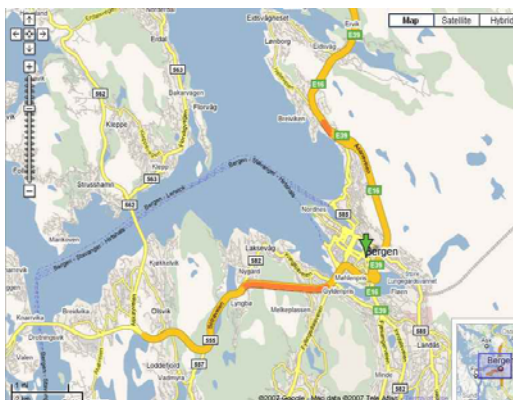
Bergen, a city-toll-package pioneer.

A private road tolling company was established in 1953 by Fritz C, Rieber. The company was in charge of construction and maintenance of Puddefjordsbroen, Eidsvågs-tunnelen, Løvstakktunnelen and the railroad-tunnel through the mountain Ulriken in Bergen.

- A challenging topography was one of the reasons why users did not object to road tolling for bridges and tunnels.



Puddefjordsbridge



Tolling in Norway

- All projects based on a local initiative
- Political consensus locally and nationally
- Non-profit toll companies owned by local authorities
- Contract between NPRA and each toll company
- No competition between the toll companies



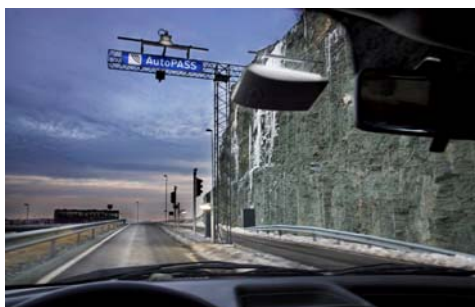
Electronic tolling

- Norway is a pioneer in cost effective and customer friendly road tolling
- AutoPASS is the Norwegian technology for Electronic Fee Collection (EFC)
 - 49 toll road projects
 - 37 of these have AutoPASS electronic fee collection
 - 7 urban toll rings



Electronic tolling

- NPRA owns
 - All road equipment
 - AutoPASS-concept
 - Specifications
 - OBUs



Electronic tolling

- NPRAs supervisory control simplified the realization of an interoperable system in Norway
- With one contract and one OBU you can pass all AutoPASS toll stations in Norway



Nordic interoperability

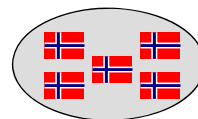
- NPRA is a partner in the Nordic interoperable electronic tolling system EasyGo
- Commissioned 1. March 2007
- Includes both tolling and ferry connections



Statens vegvesen

Standardization

Specification to be used in all Norwegian systems



Basis for a Nordic version



Input to European standardisation bodies



CEN



ISO



Statens vegvesen

Facts 2009

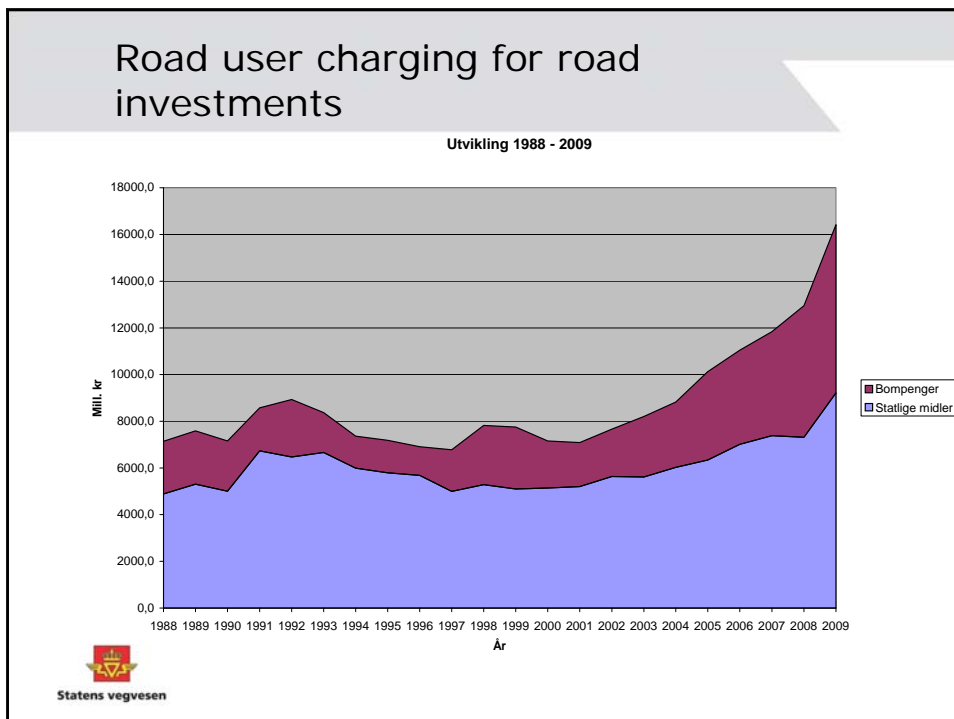
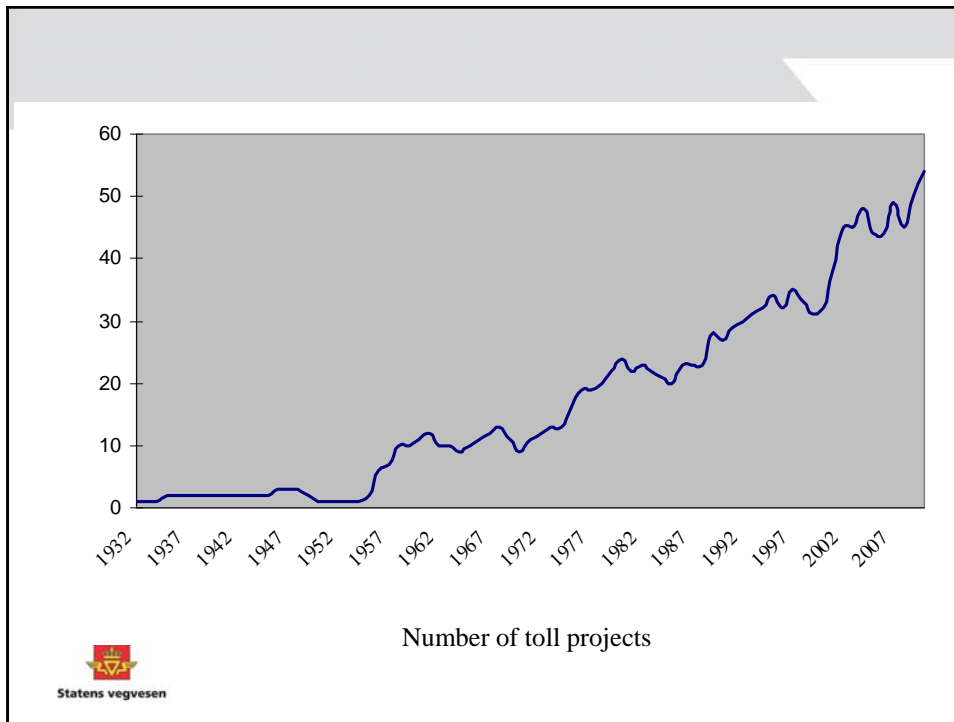
- 1/7 -59 projects in operation or approved
- 48 projects in operation
- 1 fuel tax project
- 6 new projects and 6 changes proposed or approved by parliament in 2009

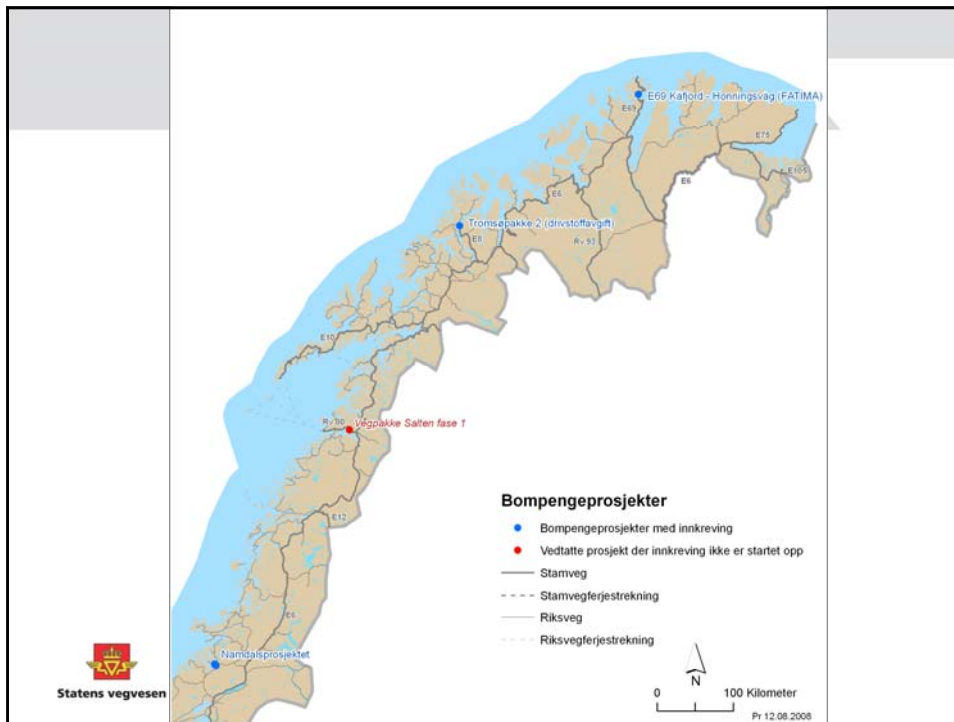
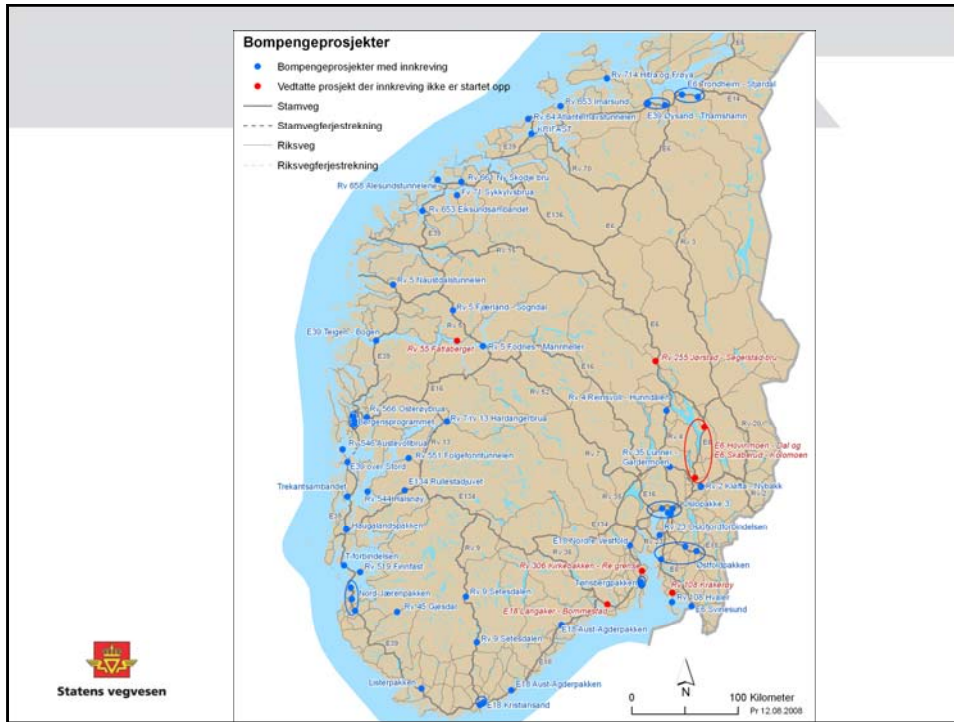


Facts 2009

- 5 new projects in operation
- 2 projects finished
- 8 projects finished by 2001-2009







- Thank you for your attention.

