

# A key to growth

- Norwegian policy on e-signature and eID

State Secretary Oluf Ulseth  
Ministry of Trade and Industry

Oslo, May 20th 2003

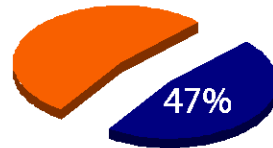


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# Growing economy with need for higher growth in non-petroleum industries



**Export as  
% of GDP**

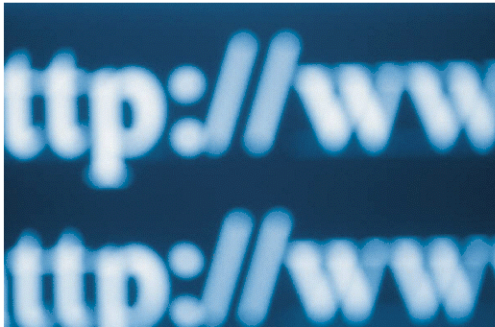


**The petroleum  
sector's share  
of state income**



- Strong economy
  - Significant budget surplus
  - Low inflation
- Internationally oriented
  - Small open economy
- Growth in the non-oil economy
  - Knowledge based industries
  - Increased R&D spending

## Low barriers to new technology...



- **75 % of the population have access to the Internet**



- **65 % use the Internet frequently (last month)**



- **63 % of all households have Internet access**



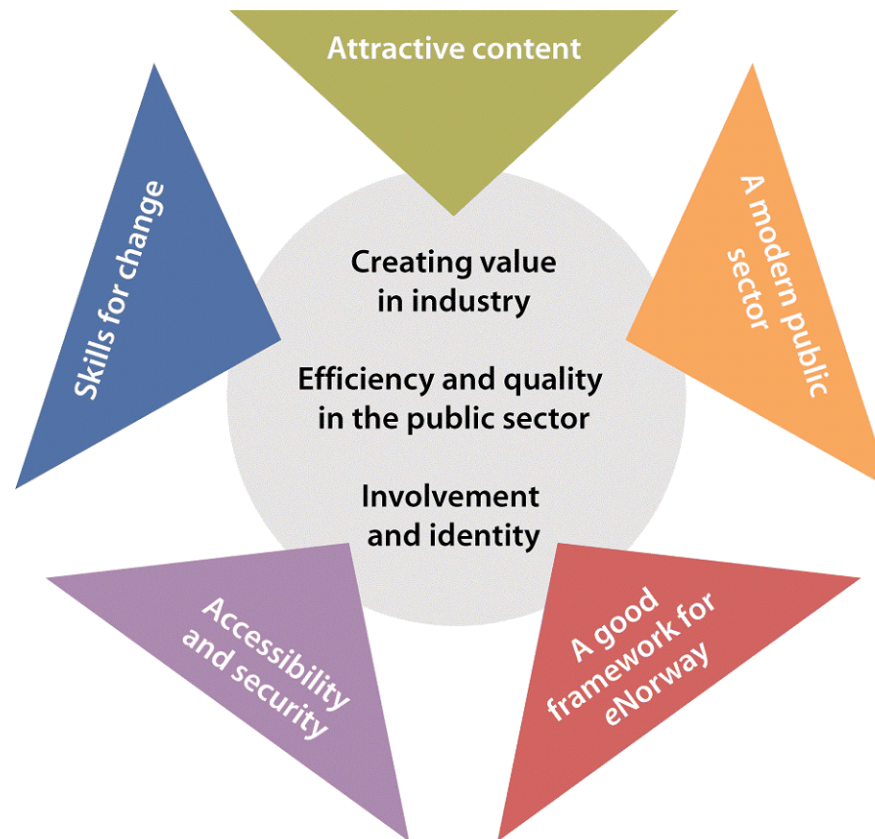
- **83 % of the population have a mobile phone**



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## ... supported by public policy: eNorway 2005



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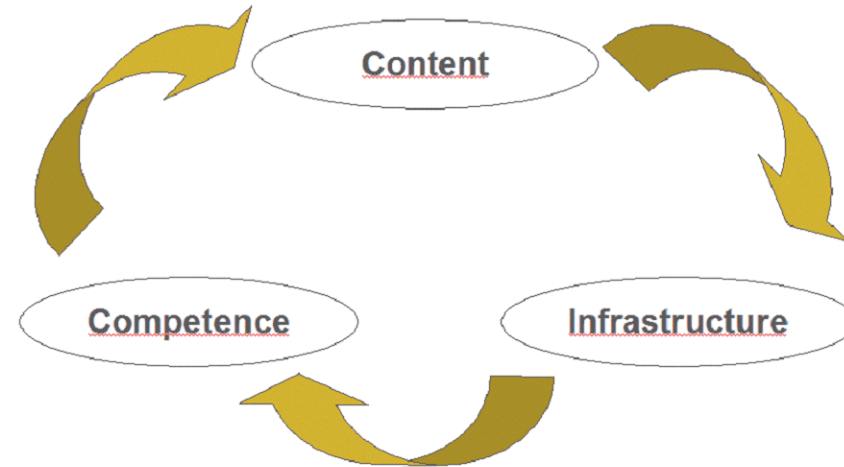
<http://www.eNorge.org>



# eNorway 2005 sets out goals....

## Reaching targets of ..

- Creating value for industry
- Efficiency and quality in the public sector
- Involvement and identity



## .. through

- attractive content
- accessibility and security
- skills for change
- a good framework for eNorway



## ... with a focused strategy for use of IT

### Deep technology penetration

- 75% have internet access
- 65% use internet regularly
- 83% use mobile phones

Execution and new goals

### High user pick-up

- 1,7 m online banking clients
- 1,1 m tax returns delivered electronically

### Focused policy targets

- Deployment of PKI
- Availability and reuse of public information
- Standards and prices
- Electronic reporting by companies to government agencies
- Knowledge management
- eHealth



# Transforming (a large) public sector

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## **An efficient and high quality service provider**

- Re-engineering to simplify and improve
  - ✓ Develop public service offices and e-government
  - ✓ Better co-ordination of benefits related to employment, social security and social services
- Developing tailor-made services to meet individual needs
  - ✓ Increase the freedom to choose
  - ✓ More flexible and user-oriented organisations
- A more efficient public sector
  - ✓ Splitting up demand and supply functions
  - ✓ Opening up for competing service providers
  - ✓ More delegation and decentralisation

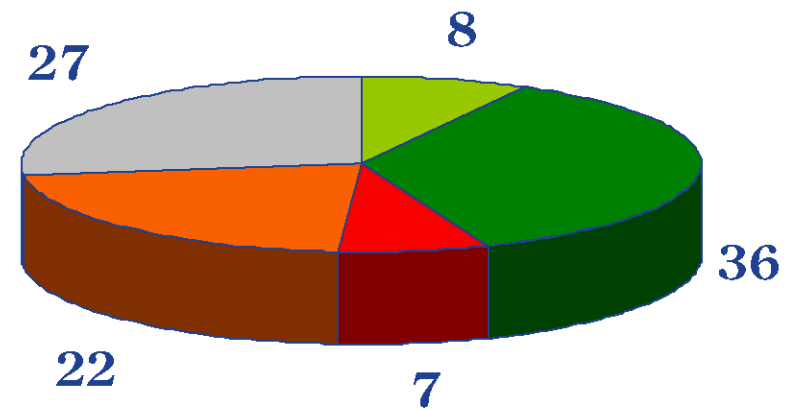




# People are worried.....

**56% of Internet users are unsure or think the security is not good enough**

(Sept. 2002)



Very good    Pretty good    Very bad  
Pretty bad    Don't know





..... and there are limits





## Securing appropriate infrastructure...

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- Stronger competition in the telecom market
- Broadband services will be a driving force for many applications
- Security and trust essential for electronic information exchange

### Priority measure

#### General use of electronic signatures and PKI

- Electronic signatures facilitate electronic commerce and many other services
- E-signatures shall be available for relevant public online services before 2005
- Standards and interoperability are a prerequisite for ease of use - the need for an infrastructure

... supported by a National PKI Forum vision

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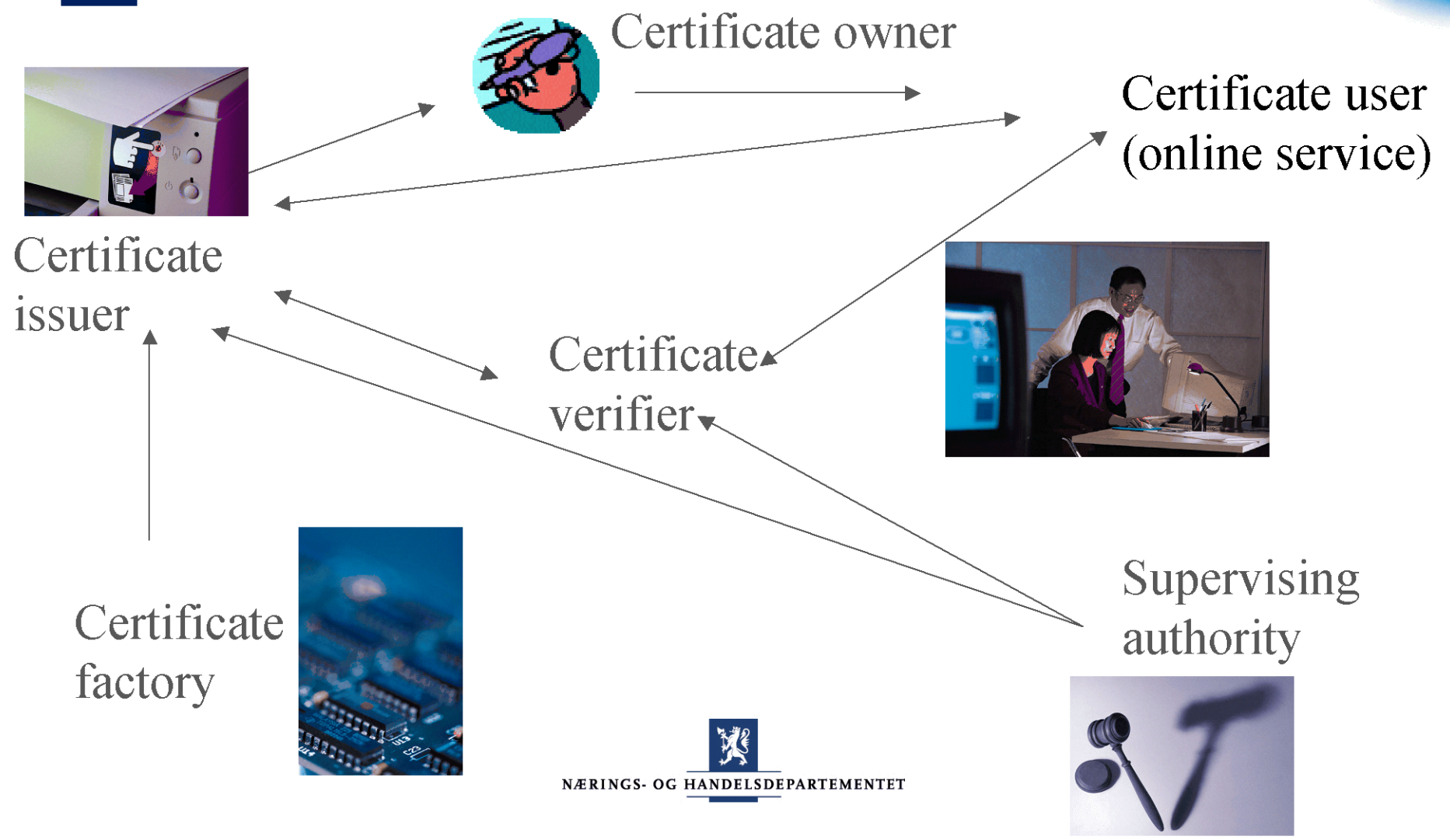
**...a generally accessible infrastructure for electronic ID and electronic signature based on PKI-technology that will enable authentication, digital signing and confidentiality protection of electronic communications, and thus support the goal of increased productivity and competitiveness of the Norwegian society**



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# The electronic signature infrastructure...





## ... with opportunities and challenges

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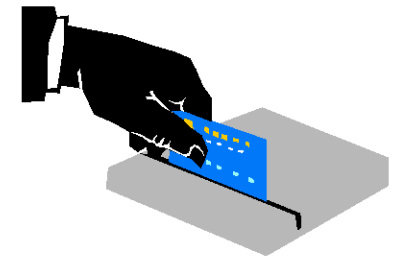
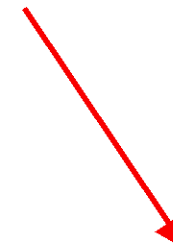
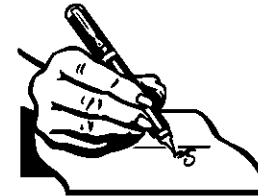
- Norway is a small country with several success stories for technology coordination: the giro system, EFTPOS-terminals, ATMs, and most recently - eBilling
- The authentication services should primarily be "the lubricant", not a business in itself
- They **must** be easy to use and they must be **sufficiently** secure for most applications
- "The PIN storm" creates a barrier to online services
- We need not only authentication, but also signature function and encryption of sensitive business information – the infrastructure might provide this



## ... and a clear strategy



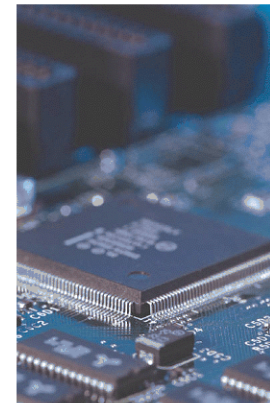
- We shall develop an infrastructure for electronic ID and electronic signature
- The infrastructure shall be market-based and ensure interoperability and traffic exchange.
- The infrastructure shall be put in place in a cooperation between the public sector and the private sector
- The infrastructure shall be in place and taken into use by sufficient number of service providers and end-users by the end of 2005.



# A working regulatory framework

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- Law on electronic signatures since July 01
- Obstacles to electronic communication removed from the legislation by January 02
- Regulation on electronic communication with and within the government since July 02



# A key to growth

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The government supports PKI / eID on many levels

- Coordinate public sector demand
- Facilitate market-driven processes for interoperability and traffic exchange among service providers
- Create public-private partnerships to develop innovative solutions
- Create project clusters and encourage reuse of existing infrastructure in order to reduce society's investment costs

