



# Implementation of Eurocodes in UK

## TARIQ NAWAZ

TWINNING PROJECT  
ACHIEVING THE HIGHEST SAFETY AND  
TECHNICAL QUALITY OF CONSTRUCTION  
MN 10 IB FI 01



# Issues in 2003

- Unclear timetable for delivery of Eurocodes
- Change had to be managed
- Information dissemination – ignorance about Eurocodes
- Need to get ALL stakeholders on board
- Realistic timetables to meet 2010 target date

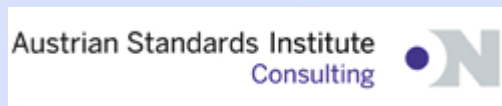


# Challenges

- A well established system of national British Standards
- Well respected at home and abroad
- Resistance to change

But change was inevitable

- BSI obligations to CEN to adopt standards
- Huge investment of resources by industry and Government
- Recommendation from EC to MS



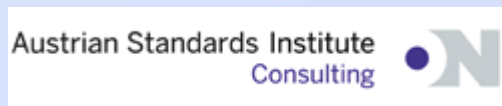
# Stakeholders

- National Standards Body
- Professional Engineers/Designers
- Academia
- Non-technical users: Clients and Insurance Sector
- Regulators: Central and Local Government
- Trainers
- Publications/Guidance
- Software houses
- Materials sector



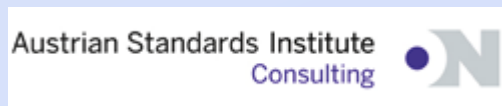
# National Standards Body & Govt

- Clear programme with dates:
  - For EN delivery
  - NDPs, National Annexes and Non-Contradictory Complementary Information (NCCI) availability
  - Agreement on withdrawal of national standards
  - Residual standards
- Role of Government
  - Information campaign e.g.  
<http://www.communities.gov.uk/documents/planningandbuilding/pdf/133178.pdf>
  - Roadmap for implementation
  - Consultation – statutory guidance updated from 2013



# Professional Engineers/Designers

- Investment required:
  - Engineering practices needed to be convinced of competitive advantage
  - Purchasing relevant Eurocodes, national annexes and guidance material
  - Software available
  - Education/training
  - Worked examples
- Be pushed by clients or professional indemnity insurance
- Likely to change as late as possible
- Established national helpdesk



# Academia and Trainers

- Update teaching notes for higher education
- Text books
- Explain principles behind design methods
- Relevant extracts from Loadings and Materials Eurocodes to be made available
- Training courses being run in country by professional institutions and others
- Websites established nationally and JRC



# Publications/Guidance and Software

- Text books
- Software houses need definitive information on Eurocodes, national annexes, residual standards, NCCI and interpretation
- Guidance from Material sectors to be updated





# Non-technical users

- Clients and insurance sector needs to know basics
- Need to understand safety provisions and reliability in ECO
- For public sector need to understand link with PPD



# Materials Sectors

- Take lead in developing national annexes in relevant Eurocodes EC2-6 and 9
- National annexes EC0,1,7 and 8 to be government funded
- Many BS had been updated with Eurocodes information
- Old national standards had information in one standard, now across many parts
- Concrete sector benefitted from technology progress in Eurocodes
- Geotechnics better codified in Eurocodes



# Steering Committee Established

- To oversee the process
- Flag up areas of concern
- Ensure deadlines for implementation are met
- Websites established nationally and JRC



# Thank You for your attention

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“Achieving the highest safety and technical quality of construction”

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