

Current Issues in Construction Industry in European Union

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Safety and Quality in Construction

□ Drivers

Construction products



Safety and quality of construction works



Competences



Rules



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Safety and Quality in Construction

Construction Products

- Regulated at European level – CE-Marking
- Declaration of Performance (DoP)



Rules

- Building Regulations
- Regulated at national level

Competences

- Qualification of designer, contractors etc.
- Regulated at national level



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Construction Products



Declaration of performance

- Informs about essential characteristics of the construction product
- Does not include installation & maintenance → only in „instructions“ provided by the manufacturer (Art. 11.6 CPR)
- Users (designer, contractor) have to interpret and to decide
- National approvals for use and application are not allowed (cf. ECJ judgement against Germany in the case C-100/13)



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Competences



- **Education**
 - Craftspeople
 - Differences in traditions
 - Secondary and post-secondary education
 - Directive on the recognition of professional qualifications (2005/36/EC)
 - Bologna system
- **Licensing**
 - Big differences in Member States
 - Provisions for mutual recognition at European level
 - Services Directive 2006/123/EC



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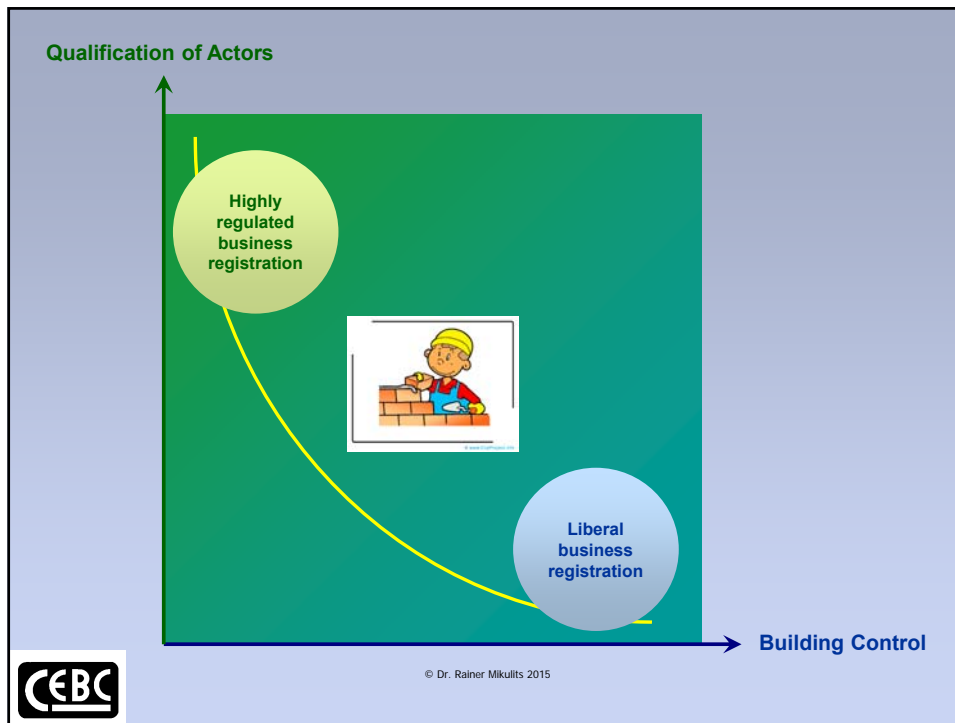
Rules



- **Building Regulations contain**
 - Zoning and planning requirements
 - Technical requirements
 - Building Control
 - Building permits
 - Inspections
 - Use permits
- **Big differences in Member States**



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Building Control in Europe

□ Different models of building control in Europe

- Permits
 - for planning & zoning (project allowed on the plot?) and
 - for technical issues (fulfilment of technical requirements)
 - Model 1 Planning permit + Building permit
 - Model 2 One permit including both
- Inspections on site
 - Model A: Regular inspections on site, often several times at different stages
 - Model B: Inspections only in special cases

Building Control in Europe

□ Different models of building control in Europe (cont'd)

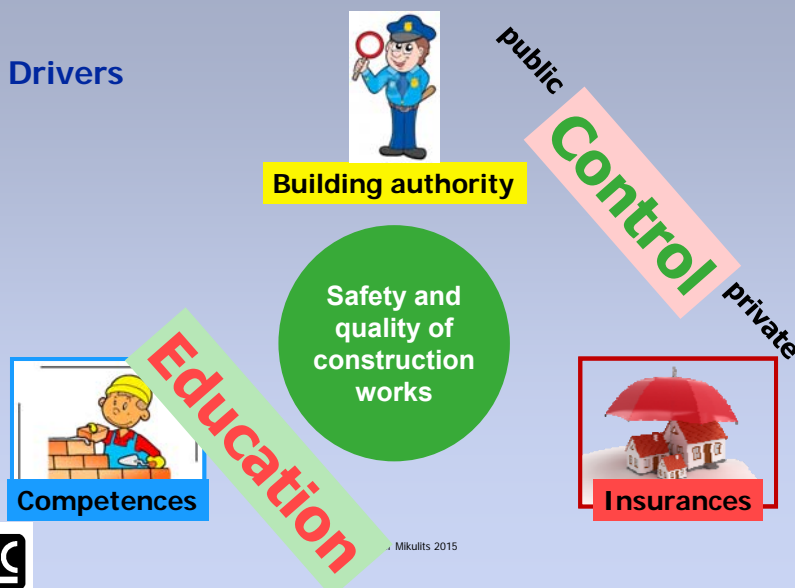
- Use permit after completion
 - Model A: Required, after final inspection → Use permit
 - Model B: No use permit, only completion notification including a confirmation that all requirements as well as the conditions of the building permit have been fulfilled → Confirmation
- Involvement of private „third parties“
 - Model I: Private experts are involved for specific control tasks
 - either on behalf of the authority,
 - or on behalf of the investor (for required confirmations)
 - Model II: Private building control bodies replace the authority



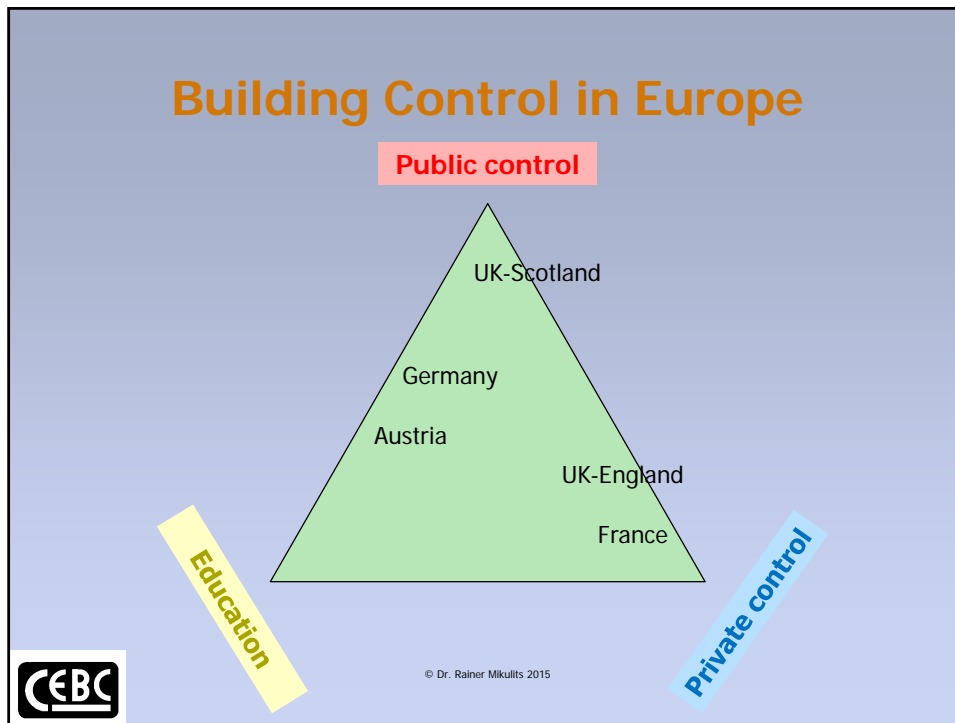
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Building Control in Europe

□ Drivers



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Building Control in Europe

- **CEBC – Consortium of European Building Control**
 - 35 Members from 23 countries
 - Authorities and private organisations
 - Purpose is to share knowledge and experiences in order to encourage improvements in building control

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Trends and Tendencies

❑ Construction Products

- CE-marking and DoP shift more responsibility to designers and users (as regards the use of construction products)

❑ Competencies

- Traditional national systems (entry barriers for crafts and trades as well as for architects and engineers) will fade
- New challenges in IT-applications (e.g. BIM)

❑ Rules

- Will become more performance-based

→ **Building Control will become more important
more professional**



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Thank you very much for your attention!

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