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SYSTEMS WORLDWILDE

<u>Building surveyors</u> are usually specialized on one of the following fields:

- · disabled access
- · fire safety engineering
- · energy efficiency and sustainable development
- construction law
- forensic inspection
- dispute resolution
- maintenance
- · private certification
- · building materials science
- · code development & legislation
- · expert witness
- · alternative building solutions
- · health and safety
- · preservation/conservation of historic buildings

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typical activities of the quantity surveyors (cost engineer):

- preparing tender and contract documents, including bills of quantities with the architect and/or the client;
- undertaking costs analysis for repair and maintenance project work
- assisting in establishing a client's requirements and undertaking feasibility studies
- performing risk and value management and cost control
- advising on procurement strategy
- identifying, analyzing and developing responses to commercial risks
- preparing and analyzing costs for tenders
- · allocating work to subcontractors
- providing advice on contractual claims
- · analyzing outcomes and writing detailed progress reports
- valuing completed work and arranging payments
- maintaining awareness of the different building contracts in current use
- understanding the implications of health and safety regulations

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Quantity surveyors can be specialized on one of the following fields:

- offering advice on property taxation
- providing post-occupancy advice, facilities management services and life cycle costing advice
- assisting clients in locating and accessing additional and alternative sources of funds
- enabling clients to initiate construction projects
- advising on the maintenance costs of specific buildings

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quantity surveyors:

on the client's side:

· professional quantity Surveyor

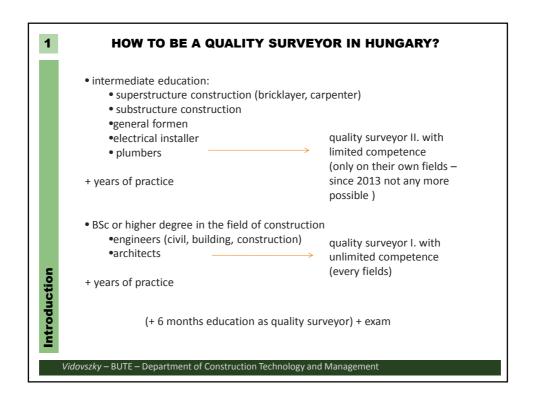
on the constructors side:

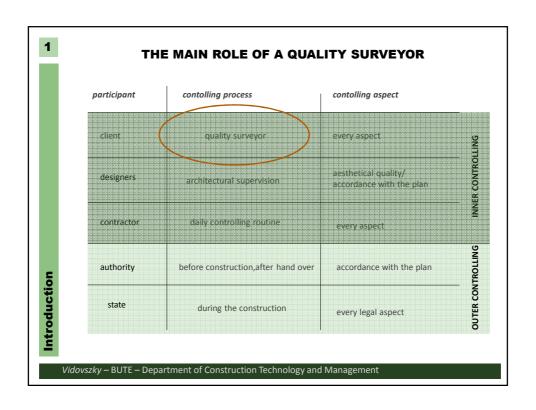
main contractors quantity surveyor

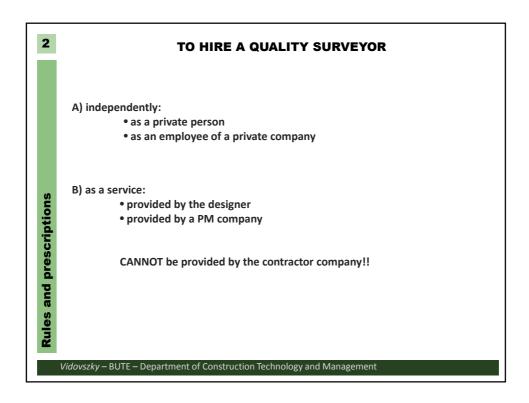
oduction

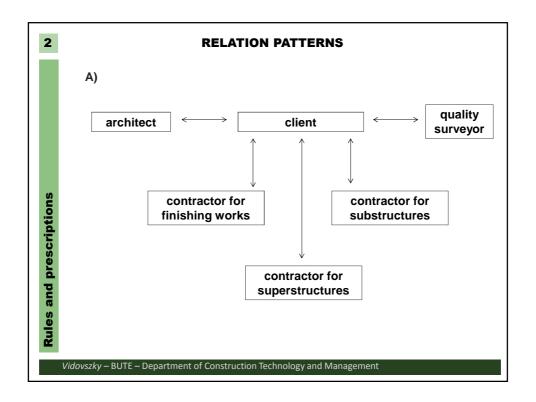
RICS - organisation for QS-s

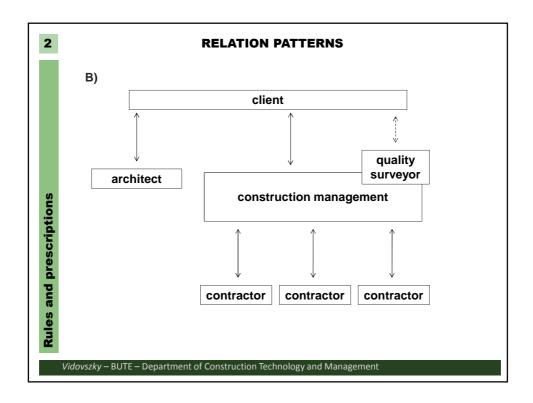
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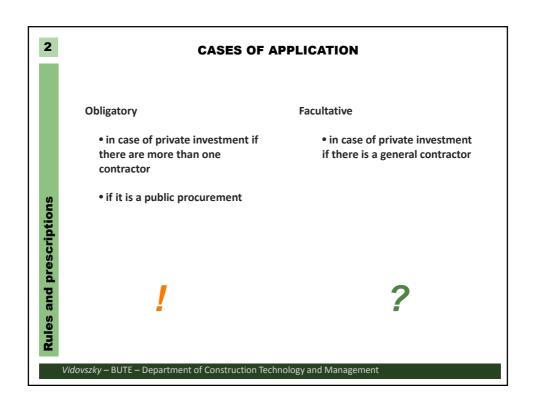


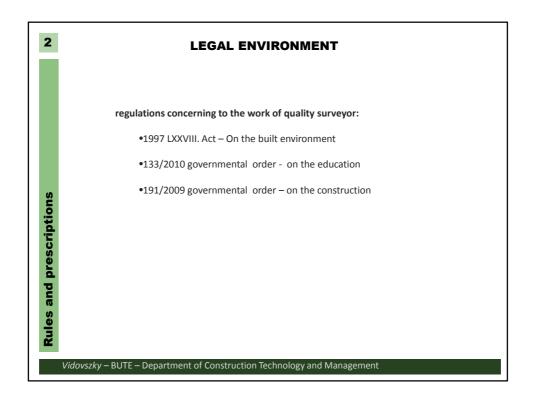


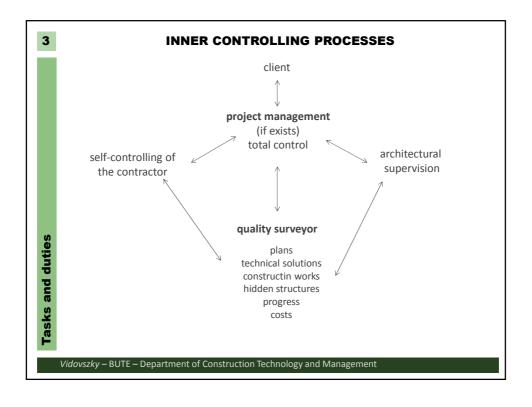


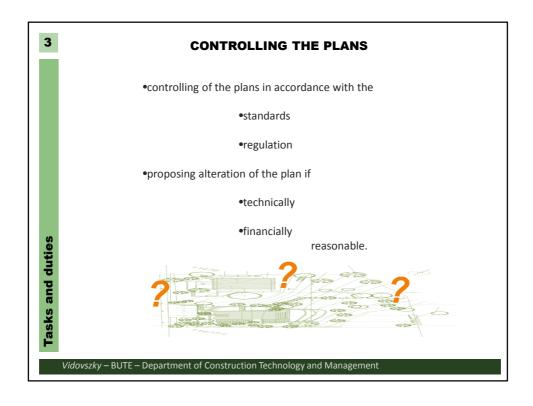


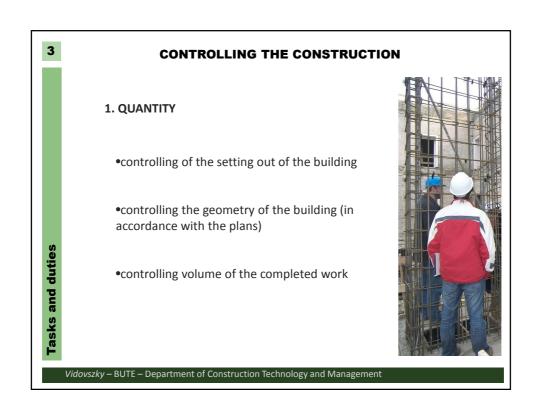












3 **CONTROLLING THE CONSTRUCTION** 2. QUALITY •ensure the prosecution of the prescribed tests • soil mechanics • humidity • strength • etc. •controlling the quality that is prescribed by the standards •note all failures (deficiencies and faults) in the construction logbook **Fasks and duties** •controlling the hidden structures before getting covered • reinforcement • electric wiring • plumbing • insulation • screeds • etc. Vidovszky – BUTE – Department of Construction Technology and Management

3. SAFTY RULES • controlling health and safety regualtions realted to each technology Vidovszky – BUTE – Department of Construction Technology and Management

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IN CASE OF DEFICIENTY AND FAULTS...

decisionmaking

- if the consequences of the failure do not risk health or work safety, and the building still meets the regulations there are 3 choices:
 - demolition + repeated consruction
 - correction of failures (if possible)
 - value reduction (discount from construction fee)
- in any other case there are 2 choices:
 - demolition + repeated construction
 - correction of failures (if possible)

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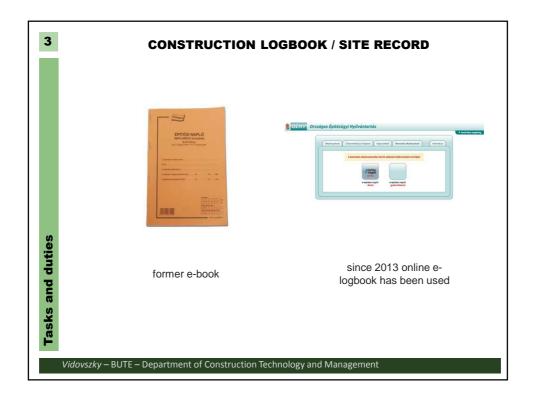
Fasks and duties

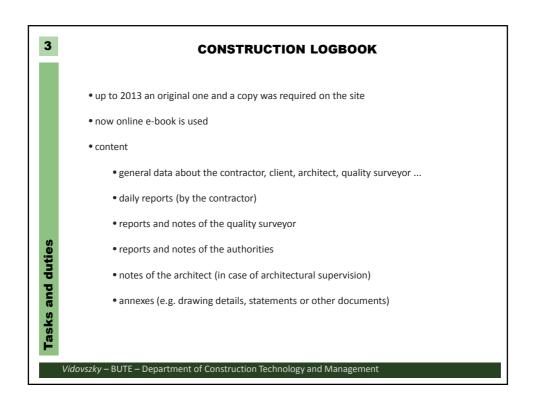
ADMINISTRATIVE TASKS

- continuous controlling of the construction logbook, on the basis of the folloing aspects:
 - fulfillment of the formal requirements (first page, signatures, etc.)
 - regular updates (existance of the required notes)
 - existance of the required signitures
- controlling of the conformance of the applied material (CE, etc.)
- informing the client
 - if the completed work is according to the contract
 - about the progress
 - about the prog
 about the cost
 - if the interim invoices can be paid
- take part in the hand over process

Tasks and duties

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Pictures

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