Introduction – Building project management

Construction management 2. (BMEEPEKT601-BMEEPEKK601) 10-02-2011

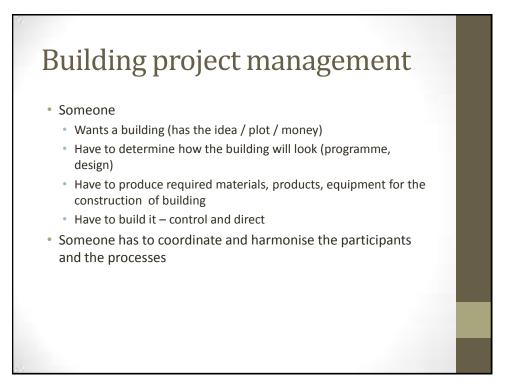
Introduction

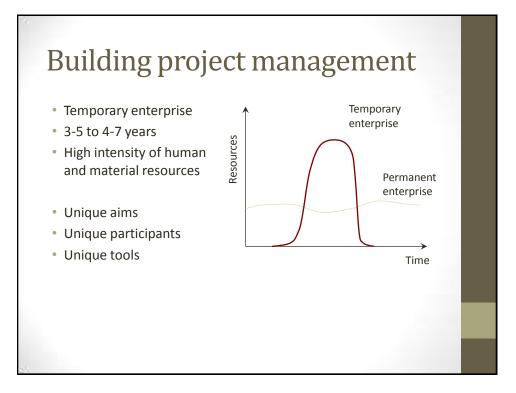
- Lecturers:
 - Adrienn Lepel PhD
 - István Vidovszky PhD
 - Guest lecturers
- Requirements
 - Two mid-semester tests (30-30 min.)
 - Exam
 - Assignment (for students of BMEEPEKK601)

Introduction

- Main topics
 - Introduction Basic information on the semester. Phases of the project.
 - Participants The participants of the construction project.
 - Project phases I. Preparation and planning. Starting of construction projects, preparation and planning. Selecting architect (competition).
 - Project phases II. Construction and operation. Selecting contractor.
 - Project Management basics
 - PM in construction industry
 - Scheduling I. Basics and theory of time planning.
 - Scheduling II. The methods of scheduling. Network time planning.
 - Scheduling III. Computer aided scheduling
 - Budget, cost estimation
 - Cost calculation methods





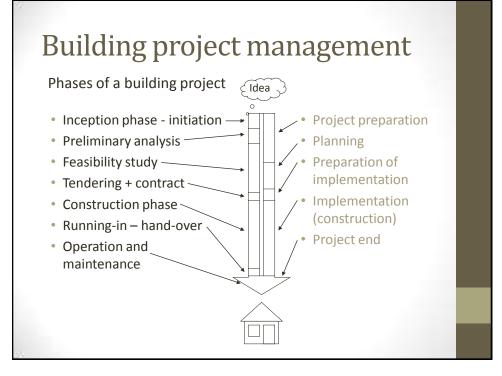


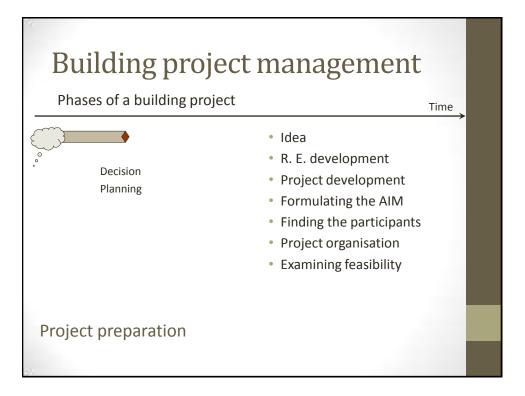
Building project management

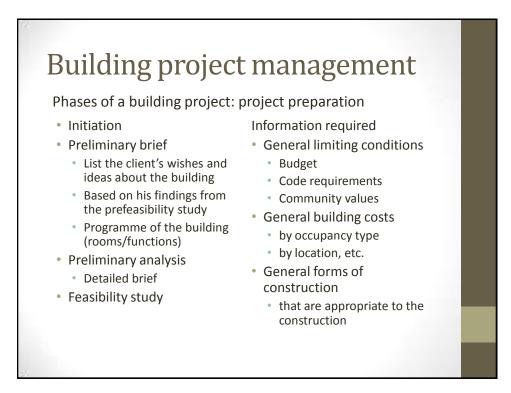
Participants

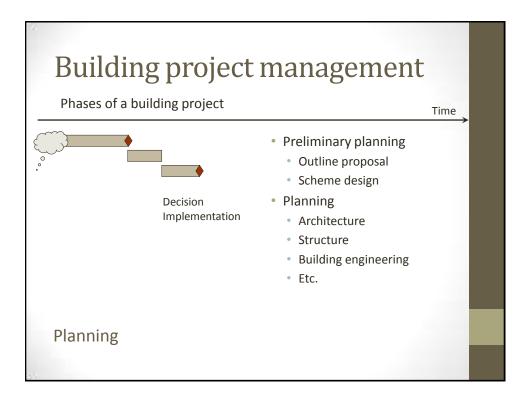
- Direct
 - Client
 - Designer
 - Architect
 - Structural engineer
 - Civil engineer
 - Mechanical engineer
 - Electrical engineer
 - Contractor
 - General contractor
 - Sub-contractors

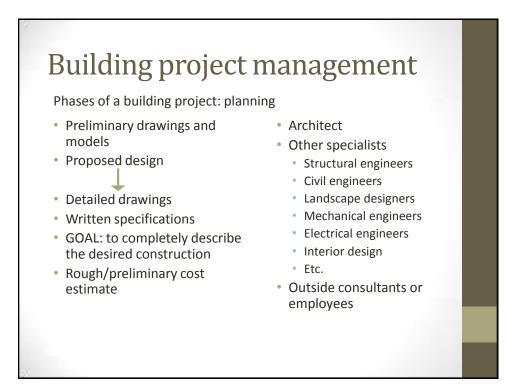
- Indirect
 - Authorities
 - Public services
 - Financing organisations
 - Insurance companies
 - Etc.
- External
 - Public
 - Media









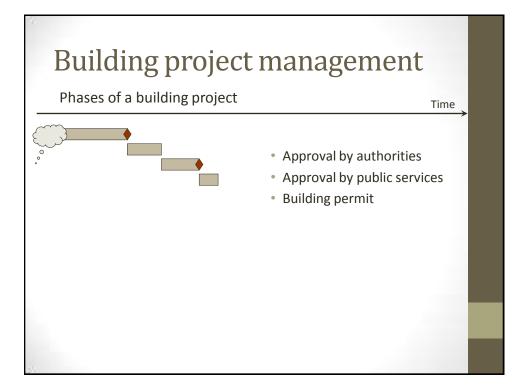


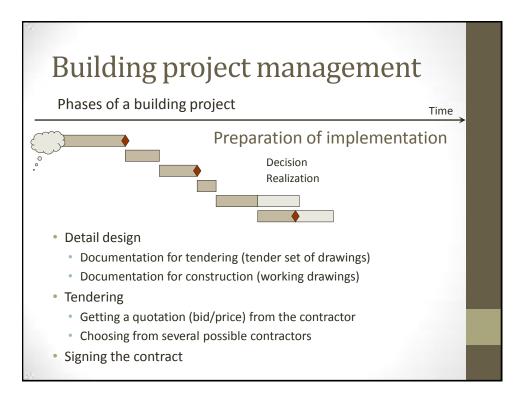
Building project management

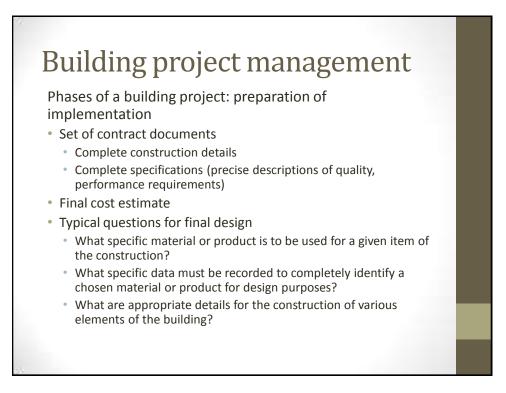
Phases of a building project: planning

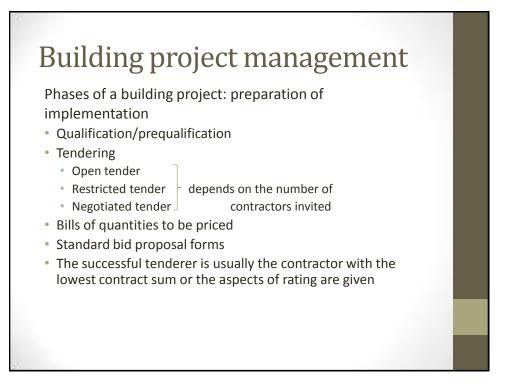
- Preliminary design
 - General building size and form
 - Selected basic construction and type of structural system
 - General use of materials
- Definitive design
 - Layouts of plans and elevations
 - Selection of essential control dimensions and modules
 - Description of basic materials and products

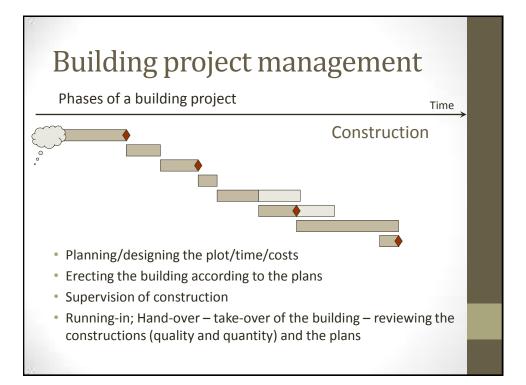
- Information required
 - Reasonable alternatives for the basic construction
 - General planning requirements
 - Unit costs (selected systems and materials)
 - Construction details appropriate to design goals and choices for materials and products
 - Dimensions and planning modules
 - General design data



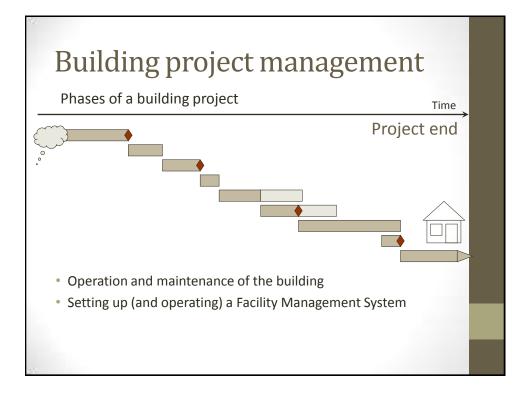












Building project management

Phases of a building project: project end

- Operation and maintenance of the building
- Setting up (and operating) a Facility Management System
- Selling/renting the building
- Evaluation of the project / Benchmarking (comparing with other closed projects)
- Feed-back for future projects

