



Semester Projects

AC-4semS15

The Case

The semester is based on a turn key contract in which you are the turn-key contractor in relation to the building owner.

As pre-qualified turn-key contractor you participate in a restricted tender which is offered by the building owner, **Housing Co-operative 2010**.

The turn-key contractor has its own production within soil- and concrete works. Further, the turn-key contractor has its own internal design department, responsible for drafting project material.

The building owner

Your building owner is **Housing Co-operative 2010**. In Denmark, housing cooperatives are non-profit organizations that ensure affordable apartments for ordinary people. For this purpose they receive a government subsidy for constructing and running the apartments. To ensure an affordable rent level, the government operates with a maximum m²-price for the construction of the apartments (economical frame). To receive the government subsidy **Housing Co-operative 2010** must not exceed stipulated maximum m²-price.

The competition proposal

You are employed by the turn-key contractor, and you will receive tender documents including brief (client's demands) etc, and what else belongs to the case.

You should now – as intern drawing office – design multi-storey apartment building with commercial use on the basis of client's wish, regulations and law, which is applied to the area. At the same time you should as the turn-key contractor make rough calculation of the construction (both construction design and implementation).

The Tender

The project must be ready for tender, and you will have to present the project to the building owner's appointed judges.

The judging panel will consist of lecturers and students, whereby the winning project will be democratically voted.

After the tender process, **Housing Co-operative 2010** will work together with the Turn Key Contractor.

The evaluation of the project will depend on the award criteria which are also specified in tender invitation letter.



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The completion of the project

After the tender you will go into the Scheme Design phase. Your team will have opportunity to get consultation by teachers regarding with project-specific issues / problems during this period.

The design departments economy

For the tender, the **turn-key contractor** has budgeted with DKK. 100.000,- for developing the design competitions material. You must, therefore, calculate the company's sales price for your work and create a budget for design costs and a registering of the use of hours and money until the tender.

After the tender the project team must plan their work in the "Scheme design" and calculate design costs for the remaining part of the project.

The specialization of the education

Towards the end of the semester (refer semester time schedule) you have the opportunity to specialize your education in the direction that has your interest, either "Implementation" or "Design". The choice of specialization must be registered on the list in the classroom before you start the specialization.

Those of you who choose "Implementation" can proceed with the project with special emphasis on e.g. Soil and Concrete Works (Quantities, Health & Safety, Economy, Planning and Logistics. Resources Administration, Site Organization) etc. Those of you who choose "Design" can pursue the project with special focus on the detailed design (Balconies, Roof, Stairs and Wet rooms), material studies, etc. It is important that you seek knowledge and coaching from the lecturers/consultants during tutoring hours and that you also use the knowledge and expertise found among your classmates.

The exam

The entire project, including the specialization, will be evaluated in an internal examination scheduled in accordance with semester time schedule.

Sincerely,
Lectures team 4