



FH MÜNSTER
University of Applied Sciences



FB Architektur
Münster School of Architecture



master

winter 19/20

Quelle: Prof. Rotermund, MainTower Frankfurt

ma.wm.1 elected modules

course

Prof. Dipl.-Ing. Uwe Rotermund M. Eng TM

lecturer

Calculation of life cycle costs (practical project)

title

The life cycle costs of buildings, depending on the type of building, consist of approx. 20% of building construction costs and 80% of building usage costs. Since 2016, life cycle costs (not construction costs) have been listed as an award criterion in EU public procurement law. Several federal states require a LCC calculation as binding proof for the release of the building project. Knowledge of the LCC calculation for architects is therefore required.

The optimization of future building utilisation costs is of great, special importance. In many architectural competitions, proof of the usage/life cycle costs is already required today.

In the seminar, a calculation of the building usage costs will be carried out using an example of and the effects were made clear. In a group work then the calculation paths for each cost type are worked out and presented. At the end of the seminar you will be familiar with the calculation methods for determining the life cycle costs.

topic

Literature and source references in the seminar
DIN 18960
Kriteriensteckbriefe (criteria profiles) DGNB and BNB
IG Lebenszyklus Bau
fm.benchmarking 2021
Various publications

recommended reading