

'Commissioning' means the guarantee that the requirements of the client and designer relating to the structured operational start of a building and its plant will be met. This **quality assurance** process contributes to performance and energy-efficiency and, hence, to **improved cost effectiveness** and environmental compatibility.

The commissioning process begins as early as the initial design phase and continues throughout the execution and into the period of operation of a building and its technical plant. A commissioning officer is responsible for the **definition, coordination and monitoring of tests and measurement processes**. As a link between design and execution he ensures that the project and design requirements are met, shown to have been met and documented.

The commissioning officer is also responsible for the scope, coordination and documentation of user and personnel training.

Advantages for clients and users

The building services systems which have to be coordinated and monitored today are often highly complex and interconnected. A commissioning process offers a range of advantages.

Advantages for investors and clients

- Higher quality and improved building performance
- Improved functionality

- The assurance that the design objectives have been met and that any changes are transparent

Advantages for users

- High user satisfaction due to the fact that the system is adjusted
- Better functions and, hence, optimized use in order to lower operating costs
- Improved identification of malfunctions

Approach

The client's requirements and the necessary process of implementation are agreed with the design team at a very early stage. This provides the basis for both the design process and any deviations from the design objectives as well as providing support to the entire execution and production process.



KEY FACTS

- Measurement of the verifiable requirements of the client and designers
- Documentation and verification of the performance of buildings and plant
- Management of the operational start
- Quality assurance

