

dRofus is a software to support architectural programming, early stage planning, structured room requirements, room data sheets and equipment planning in complex building projects. dRofus is developed based on 20 years of experience and is the leading software used on all large hospital projects in Norway, and other projects in Scandinavia.

dRofus is completely sector and project independent and can be applied to any type of project of any size, complexity and type.

### Key features in dRofus

■ **The room database** holds information about the architectural programming. Key information here is the architectural functions and rooms/spaces. Each room has a project specific room data sheet with specific room requirements and an equipment list. Use of self-defined, standardized, data sheets and equipment lists gives great benefits both for an efficient planning phase and for total project investment costs. The room database includes easy overview of total space, space per department and room, and the difference between planned space and actual space in the drawing. The room database also contains a module for planning surface treatment for floors, walls and ceilings in each room.

■ **The equipment database** is used for planning and budgeting all types of equipment. Based on a list of pre-defined articles, it is easy to build standardized or unique equipment lists for all rooms. The use of standardized equipment solutions gives high data quality, excellent budget control and consistency in the project. Some types of equipment has critical building influence regarding electricity, water supply, weight, size and further on. dRofus makes it possible to secure that all equipments requirements are taken care of in the architectural program for each room.

■ **The procurement module** uses information and quantities directly from the equipment database and follow it through the procurement process until it is received at the construction site and placed in the room. There is support for evaluating tenders and for complete cost control in the project, planned and purchased.

■ **Technical database** makes it possible to describe requirements to all technical systems and installations in a building and to collect and organize electronic documentation.

■ **IFC support** dRofus supports import and export from IFC, both with files and model server. Inconsistency between the database and CAD-drawing can be revealed both on room data sheets and the planned equipment. The architectural program can be exported to CAD as a starting point for the design phase and to exchange room requirements.

- Project and sector independent
- Easy access over Internet
- Central storage of data in a SQL server
- Everyone involved have access to the same updated information
- Easy sharing of documents by drag and drop
- IFC export and import
- Logs for all changes in the project
- Export and import to MS Excel and MS Word
- More than 60 different PDF reports.
- Available in English, German, Dutch, Swedish and Norwegian

## User involvement

User involvement and contribution is important in many projects. Several features in dRofus are designed to include the future users of the building. Assigning the rooms/space in the project to an optional number of user groups makes it easy to distribute relevant data and reports. Several reports are especially designed to exchange client briefs. The future users of the building can be given limited access directly to the database with specialized user interface. This makes it easy for the users to follow the project step by step and give their contribution when needed.

### Some ongoing projects:

- St. Olavs Hospital, 210.000 m<sup>2</sup>
- Akershus University Hospital 113.000 m<sup>2</sup>
- New Opera House in Oslo 38.500 m<sup>2</sup>
- Science Park, Karolinska Hospital 22.000 m<sup>2</sup>
- Malmø University Hospital 24.000 m<sup>2</sup>
- The Norwegian Radium Hospital 24.000 m<sup>2</sup>
- HITØ full scale IFC project in Norway. 5.000 m<sup>2</sup>

## Logs

The program has extensive logging possibilities to ensure that all changes in the project are documented, traceable and searchable. This makes it possible for idfferent groups to be kept informed about changes inthe project for their profession. The log is important for the client in order to keep control and track of the whole project.

## Data reuse

The software is developed for excessive reuse of data, both internally in one project and between similar projects. The use of templates and standardized solutions simplifies the work and ensures consistency throughout the project.

