

Acting in a networked manner

Networked action is necessary in order to implement sustainable building concepts successfully. In the exhibition, the Senate Department for Urban Development and Housing and project partners are jointly presenting examples of networking that are intended to provide impetus for future projects. It can be seen that the intelligent linking of various areas is important and is also a prerequisite for the ongoing development of sustainable ecological planning and building.

Developing overall ecological concepts for typical urban construction projects was a topic within the framework of the Experimental Housing and Urban Development (Experimenteller Wohnungs- und Städtebau, ExWoSt) research programme within the German Federal Office for Building and Regional Planning's research area of "Urban ecology and environmentally friendly building (Stadtökologie und umweltgerechtes Bauen)". The approach that was developed and tested here has proven itself to be both correct and appropriate.

The development of an overall ecological concept and the implementation of this concept as part of a corresponding multi-stage concept should form the foundation for all future planning. Aims that are com-

peting have to be taken into account and evaluated accordingly in certain cases within the building process. The fundamental prerequisites for innovative building, living and working in the long term lie not just in the planning and construction of buildings and other facilities in accordance with 'state of the art' technology and the proper operation and maintenance of facilities and building components, but also in information for users and appropriate user behaviour. Non-monetary project goals, the desires of owners and users as regards buildings, and local factors also form the basis for investigations of financial feasibility. Overall ecological concepts can be classified into the action areas/modules of energy, water, greenery, building materials and waste, and these should be considered in an interlinked manner in terms of their interactions with one another. Impacts on energy and water efficiency, the environment, users, biodiversity and the operating costs of buildings, for example, should be presented and evaluated.

Project monitoring is necessary once the construction stage has been completed. Operating data are to be recorded and evaluated in order to ensure the efficient use of machinery, systems and drives and to optimise these if necessary.



> Overall ecological concept