



All geographical data are stored in a common municipal database.

KARLSKRONA FINDS NEW SOLUTIONS

At the local authority of Karlskrona municipality in the County of Blekinge all geographical data are stored in a common database. In that way not only time and money is saved - the possibilities of working more efficiently are also used.

Malin Lindh works as a projecting engineer at Karlskrona Municipality. At the moment she is busy projecting for a planned construction project including 15 detached houses in one of the housing areas in Karlskrona.

I put current data in the database and then create a terrain model in the same programme that handles the database - GEOSECMA. All data I need to work on can be processed in one and the same programme.

Geographical Information System

GEOSECMA is a geographical information system with an integrated web solution and support for mobile applications. Various modules can be attached to this platform, for instance programmes for handling pipes, streets and real estate.

In Karlskrona, new ways to make work and the distribution of information more efficient are sought for, among others by using the functionality of the software to its maximum extent.

An incentive for finding easier working methods was the merge of the so called "hard" administrations, that is the technical administrations, in the municipality during the nineties. We saw possibilities of new forms of cooperation between the different units, tells Mikael Wirbrand at the Technical Administration. 'Today we can use the technology and make better decisions by means of the facts in the database - data that are available to all concerned parties at the different administrations.

Integrated Solution

A brilliant example of how the ambition of working more efficiently has born fruit is a joint venture between the Technical Administration and the Municipal Architect's Office. The two administrations have chiefly real estate data as a common denominator.

We use the Castor diary programme for handling matters, for instance building permits and ventilation inspections. By using the registry in Castor and the map functionality in GEOSECMA together you get the best parts out of two worlds, says Jan Hammarfors at the Municipal Architect's Office. With this solution we can quickly find out what real estate properties have which permits and where they are located geographically.

The municipality took the initiative and it did not take KORDAB, developing GEOSECMA, and Prosona, developing Castor, long to see the advantages. Cooperation between the two companies was initiated and soon the integrated programme solution was installed at Karlskrona Municipality.

A connection between the two systems will be very useful and we get access to unique functionality when we start using the systems at the beginning of next year, Mikael Wirbrand says.

Information on the Web

A project that Karlskrona Municipality has plans of realizing, by means of data in the common database, is about distributing information on the World Wide Web.

In the first stage we are chiefly planning an intranet. On the intranet, everyone within the municipal administrations, with proper access rights, will be able to readily access some information in the database. In the long-term perspective our aim is to make relevant data, on for instance the pipe network, available for our citizens by means of the Internet, Jan Hammarfors tells.

Mobile data is yet another area that is more readily handled by means of the software. Engineers in the field retrieve the map information he or she needs from the database using a palm computer, which saves both time and money.

We must not forget that maps are perishables', Jan Hammarfors says. If you complement a map in one place, you must make sure that the corresponding maps in other places are updated. If we work on a database, geographical data and their properties are updated in one single place. In addition, matters of security and backup become easier to handle - the management of the system is facilitated. When we collect all information in one place we also make savings by getting a basis for decision-making that makes better prognoses for running and maintenance possible.



Mikael Wirbrand, the Technical Administration, and Jan Hammarfors, The Municipal Architect's Office, see future possibilities of increased distribution of information.

FACTS: KORDAB

KORDAB develops the technical information system GEOSECMA. The system is a modern tool for those who plan projects of, constructs and manages landscaping installations. The main customers are municipalities, railway authorities, consultants and contractors in Sweden and the countries around the Baltic Sea. The KORDAB Group was founded in 1982 and is today a leading-edge software development company within the technology field of community development.

KORDAB