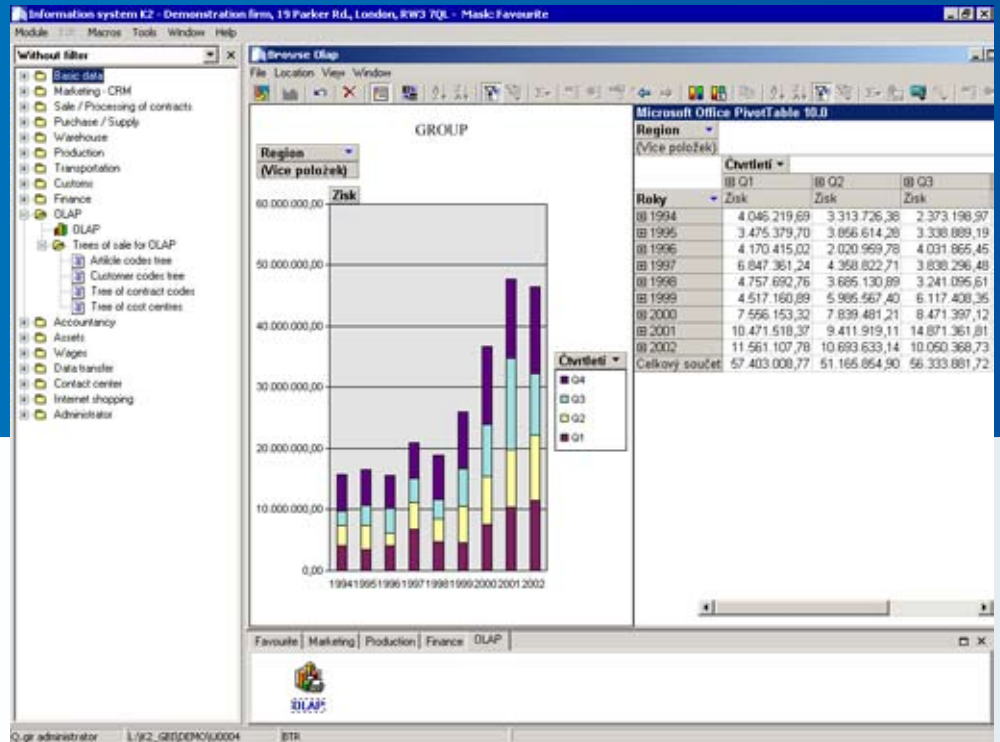




The module K2 OLAP serves for company's strategic management, controlling as well as presentation of achieved results.



## Possibility to construct an analysis

By using the OLAP browser, it is not necessary to define, in complicated manner, the particular analytical overviews. The managers' requirements are directed primarily to the system, not to the person responsible for preparing data for evaluation. By direct interaction, it is possible to select creatively also analyses of apparently unrelated criteria and, thereby, to reveal hidden regularities. Thereby, new and unconventional perspectives are created how to use fully firm's potential. Definition and format of key evaluations can be saved into (working) user's looks so that the main criteria for company's management are available any time, repeatedly, and in the required structure.

## Principle of the OLAP approach

For analysis and evaluation, data in quite different format are necessary as format in which they are saved in the tables of the information system. Therefore, the first step for obtaining quick analytical results is to export selected data from the information system into the data warehouse for saving thereof in the required structure. The second step is to create data cubes according to the selected definition of analytical axes and required values. The last step is computation of aggregations within the data cube by means of which the computed results are saved for browser's needs. By means of the browser, the saved results are presented only depending on the choice of the selected axes (time, cost centres, customers, articles etc.).

## Results easy available

The analysis as required is displayed immediately from the data warehouse by means of the results prepared in advance. Thereby, it is not necessary to wait for computer time in order to take over the values from the database and for mathematical processing thereof. Thus, the information is available independent from primarily entered company's data. On the contrary, variability of the evaluation makes possible so-called „Drill to detail“ if necessary, i.e. view of records (for example items of an invoice, release note etc.) creating given aggregation.

## Controlling within framework of the evaluation

The aim of the controlling is to establish, at the Client, a modern evaluation system taking into view specific features of the given branch. Concrete solution is based on performed implementation of the IS K2, system's technologies, and careful determination of evaluated criteria and controlling indicators. In order to use all possibilities offered by the system effectively, it is necessary to establish cooperation with experts on the Client's side. Thereby, maximum system's sensitivity is achieved with regard to specific features of the branch concerned as well as usage of experience of both partners.



## Elaboration of plans and controlling

For drafting a plan and determining planned values, the data "cubes" are intended which are edited from the browser environment. In principle, they differ from multidimensional matrices presenting reality (link to the company's information system) by number of defined axes. It concerns determination of number of values which is still "reasonable" to edit when drafting a plan. Controlling works then with a "virtual cube" created by putting together a cube presenting real values and a planning cube. This "virtual cube" enables comparison of real and planned values in the extent of axes used in the planning cube. Any change in the values of the planning cube will be displayed automatically in the virtual cube, too.

## Import from external systems

Technology of the data warehouse enables to import various data from external systems (e. g. from the history of business and accounting, statistics, attendance systems etc.). Data imported into the data warehouse can be processed and presented in the same manner as data obtained directly from the IS K2. Thereby, continuity of evaluation is maintained for the user when introducing a new system.

## Export

Part of the solution can be also creation of a communication bridge between the K2 – OLAP and defined Client's system, for example in order to provide results for supranational companies or for foreign co-owners. This solution makes possible quick data transfer into environment of the evaluating corporation system.

## Making use of browser's possibilities

In terms of user's access, a possibility is offered to make use of standard interface of the Internet Explorer both in the environment of firm's intranet and external Internet. In particular, it concerns promotion presentation of selected indicators for example on firm's www page (demonstrating legitimacy and success of the firm concerned) or provision of more detailed results for intranet in order to ensure feedback for particular cost centres and departments.

## K2 OLAP browser

This module completes, in a harmonious manner, the server K2 OLAP and constitutes basic access of the IS K2 user into the data warehouse. It includes overviews pre-defined for particular users and provides not only tabular and graphical expression of an analysis but also definition of decompositions. All overviews can be exported into Excel environment in the form of a contingency table.

## Integration of the K2 OLAP browser into the IS K2

Essential advantage of the K2 OLAP browser is its integration into the IS K2 environment. Thus, the user has one system combining needs for quick entering values and, at the same time, displaying development trends and statistical charts. Integration of the browser is used in the code lists of customers and partners, articles and accounts. Thereby, work of all employees using the IS K2 has been made more effective. Moreover, it is not necessary to acquire another manager information system.