

OSCVANTAGE – Central Power Production Information System

OSCVANTAGE represents a complex solution of the acquisition, processing, archiving and presentation of process data.

The main characteristic of the **OSCVANTAGE** system is the safe storage of process data, administration and additional processing. The flexible approach to both original data and processing results is another important feature.

The **OSCVANTAGE** system consists of the **OSCDEPOT** module, which is used to acquire process data from heterogeneous sources, saving, and archiving it in the **OSCASSEMBLY** module where the data is processed and controlled access is given to users.

time courses of variables) which often occur in process data. Data archiving may be set either periodically or in changes. The archive volume depends on the volume of archived data; in practice it is attain an archive length of several months.

Modularity

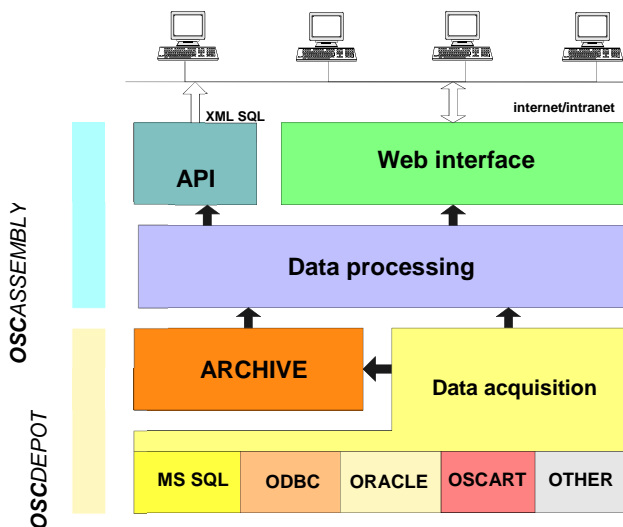
The modular concept of this system enables flexible reaction to user requirements.

Data processing is the main task of the **OSCASSEMBLY** module. The module itself consists of calculation procedures which process the data. The module contains a set of standard procedures for ordinary data operations (summarizing, aggregation, some statistical functions). A delivery usually includes the creation of customer procedures according to specified user requirements (e. g. cross checks, estimations, and derived data calculations). Calculation procedures are activated either at the request of a user (via the web interface or API), or may be set to start at a certain moment.

Scalability

This system concept allows easy adaptation of small, medium and large volumes of processed data.

Web interface is used to make processed data accessible to end users. Calculation procedures process data into 'data views' which are available to users via a web interface.



Function description

Data acquisition allows connection to ordinary data sources (known manufacturers' databases). It is also possible to connect other data sources if their manufacturer has published the interface. Control systems can be used as data sources as well. The **OSCART** system (OSC product) is connected as standard usually used as the core of the real-time control and information systems.

Archive is used for storing of acquired data. The main advantage is the support of time lines (saving

