OSART Good Practices
CORP. MAINTENANCE
Maintenance programmes

CEZ corporate, Czech

Mission Date; 29 Sep.-9 Oct., 2013

KPV software for optimization of maintenance.

For planning, evaluation, review and optimization, of maintenance plans and programs realization, CEZ uses a KPV tool. KPV is a software superstructure over Asset Suite 06 used for fast and comprehensive overviews on the status of implementation of maintenance programs and plans.

All parties involved in the maintenance process (Asset Management Section, Supply System Management Section, Plant Maintenance Section and maintenance Contractors) use the KPV as a flexible and friendly tool, supporting the performance of their particular roles in the maintenance process.

For all users, the KPV tool is accessible via the web interface and therefore, hardware and software requirements do not limit its extensive use.

Benefits/Result:

☐Stores maintenance programs of all power plants in the Production Division;

· Archives individual annual maintenance plans;

· Unifies the process of annual maintenance plan preparation;

· Provides different types of reports on the Corporate and NPP levels based on Asset Suite 06 data;

· Serves for benchmarking of maintenance programs between Power plants, for compiling annual maintenance plan;

· Serves for creating inquiries for maintenance contractors and also helps Contractors in compiling their bids;

· Enables checking the degree of fulfilment of the activities contracted based the yearly plan (scope, time, costs);

· Serves the contractor to document the performed activities and the NPP staff, and the Corporate level staff to check the performed activities;

· Serves also for prediction of costs for preventive maintenance for the upcoming annual maintenance plans;

· Allows the users to limit the number of mistakes when processing large amounts of data.

Due to the intensive use of KPV and unified maintenance practices, the preventive maintenance costs has been reduced by 10% at Dukovany and Temelin plants in a period between 2010 and 2013. There is a continuous ascending trend of a success rate in paring between maintenance plans and the status of their execution in any moment in time. In the last three years, the number of mistakes, when processing more than 50,000 maintenance records, has been reduced by 15%.