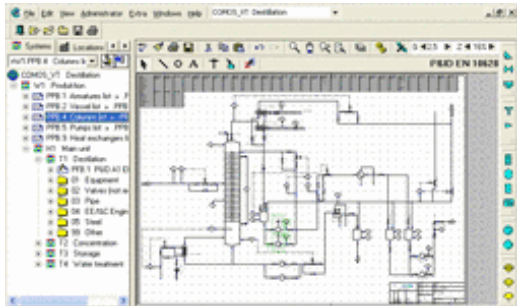


Comos P&ID

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The object-oriented module Comos P&ID is used to rapidly and easily create piping and instrumentation schematic diagrams. Acting as a "central data collector", the P&ID document forms the basis for a wide variety of technical areas and enables a permanent bidirectional flow of data between the various technical sections.

The central document P&ID plays a vital role in plant construction in the handover between process, piping and E&I technology. The sections of piping, apparatus and machines, electrical and instrumentation and control technology are described in context in P&ID. The object technology in Comos thus offers the relevant user the ability to create or edit as required his or her own specific view of the unit model. Thus the module effectively supports the planner in his or her work.

In the owner and operator environment the new object-oriented solution for P&ID allows direct access via the drawing to the associated documentation. The navigation function permits rapid searching of the documentation when looking for the causes of problems, the detection of technical associations, the ability to find the information that is required and hence leads to shorter problem times.

Comos P&ID puts the planner in a position to quickly and easily illustrate process and I&C sequences in a quick and simple way, because the clear form of administration of the various labeling systems in the form of tree structures makes it possible to obtain different views of units, locations and documents. A wide range of object libraries are available to the planner to carry out these tasks.

Labeling systems that are easy to implement such as, for example, the German KKS (Kraftwerks Kennzeichen System, or power station labeling system), AKZ or in-house labeling systems fully automatically take over the labeling of the objects in P&ID. The underlying regulations can also be used for checking.

P&ID's can be set up in any desired graphic form. A number of different standards have already been set up in the Comos reference database.

Key Benefits

- Changes in the P&ID are made available immediately to all the technical departments. This does away with the time-consuming and expensive reworking by hand of the relevant data and documentation.
- The I&C engineer works seamlessly on the same data after the process technology has been approved. Elaborate processes for further processing and editing are not required, and this enable project times to be kept short.
- The measuring functions placed within the P&ID automatically supply both the standards the requirements to the equipment and the signals as well signals, regardless of customer-specific standards. These "power objects" make it possible to have a very precise calculated view of the plant or unit after a very early phase in the planning.