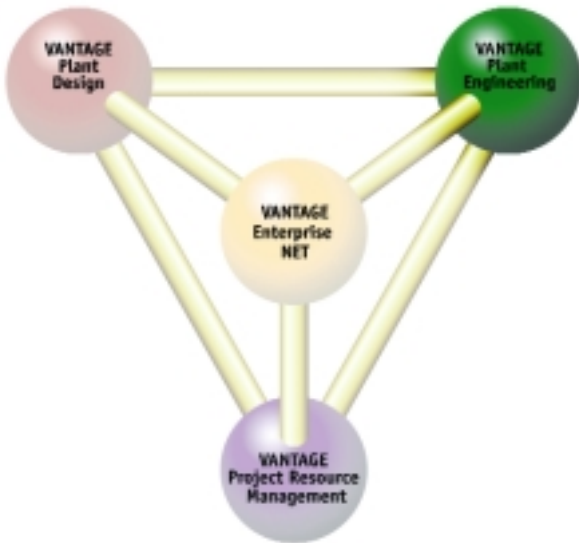




Plant Engineering Process



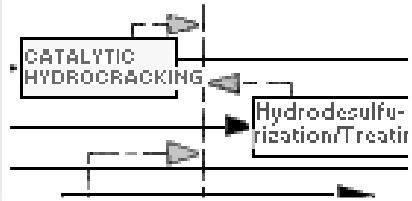
INTEGRATED BEST PRACTICE ENGINEERING

VANTAGE Plant Engineering is revolutionising the management of engineering information in the project. Its integrated engineering Workbench and data repository, with configurable workflow based applications, delivers an environment for creation, modification and reporting of all engineering data generated during the various phases of the project.

With best practice workflow management control employed across the engineer's Workbench, the integrated Process, Instrumentation, Electrical, Piping and Mechanical applications are presented with a single, consistent source of engineering data to each engineering discipline.

The Process application deals with activities relating to process engineering such as Equipment, Pipeline and Instruments logical design from a perspective of the medium flowing through the plant. The Instrument design in this case is limited to those items that have flow of material through them, or are connected off-line to the flow. The data is then used in the generation of Process Equipment and Instrument datasheets, and Equipment and Pipeline reports.

Additional Process related data can be sourced from VANTAGE Plant Engineering P&ID applications and/or from external systems generating stream and mass balance data through an open exchange environment. The data is managed and stored – with ownership maintained to prevent inconsistencies.



The Workbench provides the Process application with an environment that allows working data to be private to the owning discipline, and facilitates the issuing of data for consumption by dependent disciplines. Plant items move through configurable life cycles, allowing items to be checked and approved before issue as appropriate, with event notification and messaging capabilities.

Process deliverables such as datasheets and reports can be configured, and generated automatically from the Workbench into the/your chosen format using a number of standard device drivers. A unique change highlight display provides readers of the data with powerful recognition of changes made since the last engineering issue.

Key Features:

- Web enabled and internationalised environment
- Integrated repository for all process equipment, instrument and pipeline specification data
- Integrated repository for all mass balance data
- Storage of multiple mass balance scenarios
- Open data exchange of mass balance data
- Open API for data extraction including an XML generator and neutral format for interfacing and datasheet production
- Definition of multiple operating scenarios for plant items and association with process streams
- Configurable validated lists of values for data consistency
- Automatic conversion of units to Project definable defaults
- Deliverables including datasheets and reports, generated from single consistent data source
- Flexible tools for datasheet and report formatting
- Deliverables directly integrated with document management systems (optional)
- Integral workflow between Instruments and Process
- Change highlighting on data entry forms
- Datasheet change highlighting



**Four essential issues.
Four product families.
One world-class name.**
VANTAGE

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