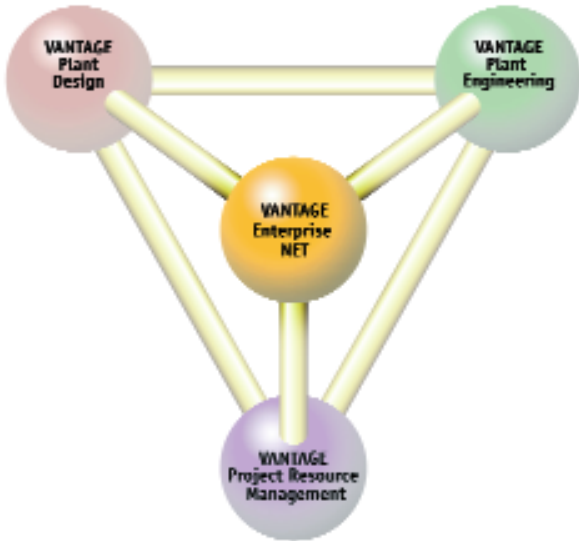




# Enterprise NET

## XMpLant



### PRODUCT PREVIEW

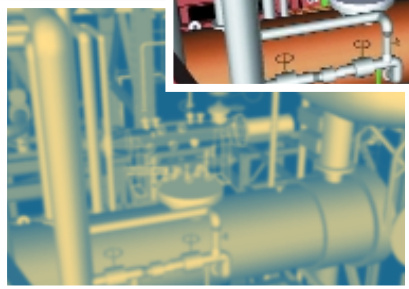
## REDUCING THE LIFETIME COST OF CAD OWNERSHIP THROUGH INTELLIGENT INTER-OPERATION

The 'product' life of a process plant is traditionally many times longer than that of the engineering IT systems used for its design and operation. However, the design information is a significant asset, in which the business requirement is to be able to control, access and maintain intelligent plant data between CAD systems throughout the life of the plant. Until now, this has not been possible, due to the proprietary nature of the systems in use.

Although XML is clearly seen in the industry to be an enabling standard behind the explosive growth of e-commerce, the complexities of interoperating data between CAD systems had so far presented insoluble problems.

### A Market First

XMpLant is the first toolkit available to the market to achieve integration and exchange between different systems while ensuring model integrity and consistency. It provides an open XML environment for intelligent and web enabled plant models. Based on a neutral object model, XMpLant forms part of the VANTAGE Enterprise NET family, has been proven on a number of large data exchange projects to provide user companies with the benefits of a greatly reduced dependency on the original CAD systems.



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## Standard Data Exchange Investment for the Future

XMpLant is available as a toolkit for 3rd party interface adapter development and data processing, and a number of standard interface adapters are available for leading CAD systems. The XMpLant toolkit is based on the EPISTLE framework and uses an extensible XML Object model data driven from a Reference Data Library (RDL) based on EPISTLE. Each interface adapter is configurable through using XML files for attribute filtering and mapping to enable a best fit for bi-directional integration, providing the catalogue and the specifications in each respective system can be mapped.

Business issues that benefit from true CAD interoperation:

- Remove migration dependency from supplier's retired products
- Increased flexibility and choice of CAD systems used on projects
- Reduce dependency on your CAD supplier
- Reducing the support costs of specific system-to-system interfaces
- Reducing the cost of ownership on projects
- Design collaboration between CAD systems such as PDMS and PDS projects
- Neutral archive of plant models

## What CAD systems can I exchange information with?

XMpLANT offers the following standard adaptors:

- VANTAGE PDMS (read and write) <sup>[2]</sup>
- VANTAGE Plant Engineering P&ID (read) <sup>[2]</sup>
- Intergraph's PDS 3D (read and write) <sup>[1]</sup>
- Intergraph's PDS 2D (read) <sup>[1]</sup>
- VANTAGE PDMS to Oracle's CADVIEW <sup>[1]</sup>
- Microstation DGN (write) <sup>[1]</sup>
- CEA's PLANT4D system (write) <sup>[1]</sup>
- PTC CADD5 system (write) <sup>[1]</sup>
- The XMpLant tool-kit <sup>[1]</sup> and comprehensive integration services are also available to 3rd party software suppliers.

<sup>[1]</sup> Sub-licences available through AVEVA

<sup>[2]</sup> Licensed direct through AVEVA



**Four essential issues.  
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One world-class name.**  
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