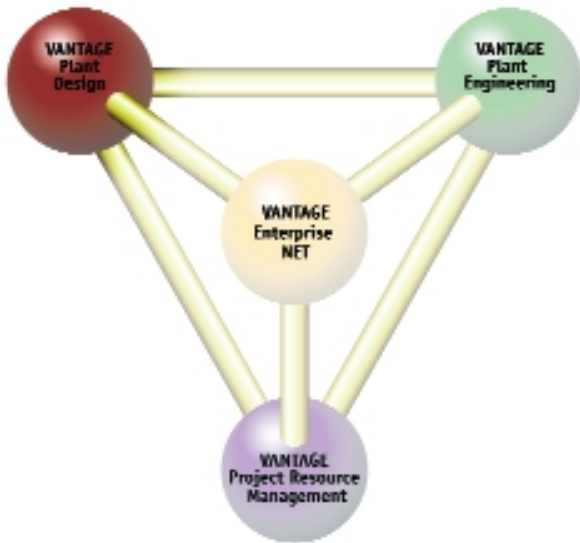




Plant Design Review



REALISM BRINGS TRUE UNDERSTANDING

From conceptual plant layout activities through to operations and maintenance, personnel across organisations and disciplines have always strived to obtain effective visual feedback from a portrayal of the plant at various stages of the project.

In the past, plastic models were seen as the only way by which observers could easily relate to the design. Even with the advent of CAD, something was found to be missing which inhibited users from obtaining maximum value from the highly detailed 3D models being produced – interactivity.

For effective visualisation and realism the VANTAGE Plant Design Review system offers exceptional performance and unsurpassed interactivity, providing users with a highly effective visualisation tool and stunning realism.

Improving Access to High-end Visualisation

Taking data from a range of 3D plant design systems*, principally VANTAGE PDMS, Review delivers realism to a wide range of project personnel, improving their familiarity with all aspects of the plant throughout the different phases of the project.

Review is specifically designed to meet today's process industry demands for effective project reviews; from laptop to desktop, to groups, to global enterprises.

With the underlining data as the key, users can freely walk throughout the plant to areas of interest and enquire about equipment names and attribute data. Applications can also be tailored to use the Review graphics to send and receive on-line data from relational databases, typically utilised in procurement and operations.



AVEVA

“AVEVA’s plant viewing systems move us light years ahead compared to the conventional scale plastic model method of reviewing projects, allowing us to optimise the design before any fabrication is started, thereby making significant savings in time, effort and construction costs ”

Robert Samudio,
Shell Deepwater Development Services, Inc.



Visual collaboration

If you need to communicate ideas or undertake project reviews, but cannot afford the cost and time to travel, Review provides the perfect visual collaboration link for use at all stages of the project, using standard enterprise communications. Whether participating by the desktop or in Visual Engineering Centres (VEC and VECnt) for group model viewing, users of Review can collectively interact and share in the perception of global projects.

Applications to Meet Industry Needs

Review can be applied to many applications across the engineering spectrum, complementing Engineering, Procurement and Construction projects as well as extending into plant operations and maintenance.

- These applications include:
- Conceptual Design and Bidding
- Plant Design Assessment
- Safety and Operability Reviews
- Fabrication, Construction and Installation
- Plant Operations and Maintenance
- Workforce Education and Training
- Company Sales & Marketing Activities

Key Features and Benefits:

- Interactive graphics with an easy-to-use interface, maintaining high performance 3D rendering with large, highly detailed models
- Realism, with the ability to alter multiple lighting, material textures and apply scenic backdrops, fog and real-time shadows
- Effective viewing with multiple camera modes, stereo and keyplan display control, enabling users to get the most from the display
- Realistic animation walk-through and tracking with combined camera motion, item simulation and playback modes with interference checking supports all project review requirements and “what-if” scenarios
- Model interrogation, providing instant access to plant item identification, tagging and measurement enquiries
- Data sharing flexibility, with various data formats supported on import – for example the loading of mechanical details from MicroStation
- An application layer, which can be tailored and linked to SQL based databases, enabling on-line enquiries
- Scalable visualisation from laptop to wide-screen reality centres and when required through global communications to support global project reviews

*To import data from systems other than VANTAGE PDMS, please contact your local AVEVA representative



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

www.aveva.com

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