



Hanil E-hwa

Reducing 3D representation development time from one week to one day with 3DVIA Composer

Dassault Systèmes' 3DVIA Composer makes it possible for us to produce high quality 3D representations very quickly.



Byungkook Choi
Senior Researcher
Hanil E-hwa

Challenge

Automotive industry supplier Hanil E-hwa wanted to economize on time and increase the quality of 3D product illustration documents containing large volumes of design data.

Solution

Hanil E-hwa chose Dassault Systèmes' 3DVIA Composer for its seamless integration with CATIA, ENOVIA and DELMIA in order to facilitate design data set management.

Benefits

Hanil-E-hwa has dramatically reduced implementation time for creating large, complex 3D representations, reducing production time from one week to just one day.



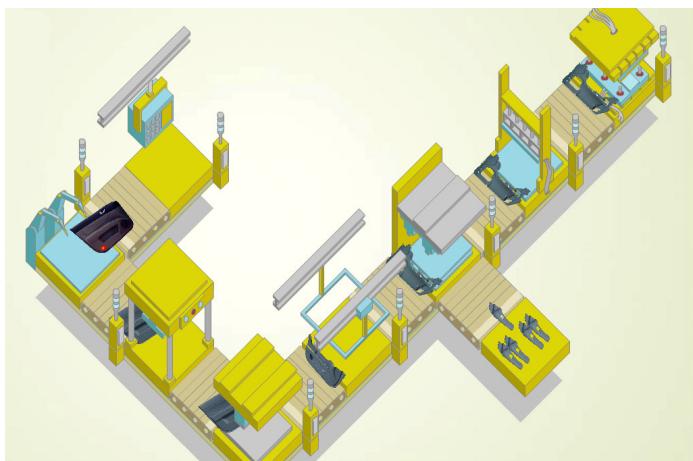
Automotive Total Interiors

HANIL E-HWA CO.,LTD

parts for automotive interiors, including door trims, seats, head linings, covering shelves, package trays, and pillar trims. To stay ahead in the highly competitive automotive supplier market, it has gained a technical competitive edge through research and development (R&D) in areas such as product design manufacturing methods, computer-aided engineering, and parts manufacturing.

Hanil E-hwas' R&D effort has earned it Five Star Technology certifications from Hyundai Kia Motors, which assesses its suppliers' R&D capabilities.

The automotive parts maker holds over 400 intellectual property rights and has applied for nearly 600 others, including for thermoplastic felt structures for automobile interior substrates, molding devices for interior panels, and manufacturing methods.



Harnessing technology to become an industry leader

Established in 1972, Hanil E-hwa is a leading manufacturer and supplier of

3DVIA Composer, the perfect match for efficiency and compatibility

Hanil E-hwa needed 3D representations of fabrication methods and production lines which show the facilities required for the manufacture of parts products.

A key challenge in this process is converting a large volume of design data into lightweight formats for purposes including animated assembly instructions and technical publications. The company required a solution that could help it to better manage and manipulate data while remaining compatible with its existing Dassault Systèmes (DS) Product Lifecycle Management (PLM) solutions, such as CATIA, ENOVIA and DELMIA.

Byungkook Choi

Senior Researcher, Hanil E-hwa

3DVIA Composer's seamless integration with our existing Dassault Systèmes' PLM solutions, such as CATIA, ENOVIA and DELMIA, maximizes our business efficiency.



Powerful and fast

Following successful implementation, 3DVIA Composer has become an invaluable tool for the company. "Dassault Systèmes' 3DVIA Composer makes it possible for us to produce high resolution 3D representations very quickly and with excellent quality. This used to take long time and was very hard to implement with the existing CAD equipment," said Byungkook Choi, Senior Researcher of Hanil E-hwa. In addition, 3DVIA Composer is also highly compatible with non-DS CAD and PLM systems through 3DVIA Sync/3DVIA Integration.

"For the customer's supplier assessment, we needed to produce 3D representations containing enormous amounts of data. This process would previously take a week, now with 3DVIA Composer, we can create high quality 3D representation in a single day," said Choi.



Maximizing business efficiency

Compatibility with Hanil E-wha's PLM solutions already in use was a key factor in selecting 3DVIA Composer. "3DVIA Composer is seamlessly integrated with our existing Dassault Systèmes' PLM solutions such as CATIA, ENOVIA and DELMIA. As such, we could not help but maximize business efficiency," said Choi. For example, 3DVIA Composer enables us to maximize time and save on costs because it can read CAD data directly from CATIA and link to other PLM systems via XML.

"While we use 3DVIA Composer mainly for producing 3D representations, we have also developed sample applications that can be used for creating bills of materials, illustrating specification charts and for producing quality control specifications," said Choi.



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