



Wearing virtual reality head-wear, planners and engineers using FAB Bertelmann's Dy-Concept – Toolkit software are able to “walk through” power plants and explore all angles of a design concept before installation work starts.

TAKING A VIRTUAL POWER WALK

FAB Bertelmann's DyConcept software uses virtual reality to aid engineering design

FAB Bertelmann Technologie, based in Dresden, Germany, is developing an intelligent toolkit that uses virtual reality to help design and configure powertrain and power generation projects.

The features of the new DyConcept – Toolkit software enable a database-based, time- and cost-saving and automatized engineering workflow, the company said.

A key aspect of the toolkit is the integrated virtual reality feature for an intelligent 3-D module configuration and model evaluation that rounds off the technological concept of the software and takes engineering to a new level of intelligent planning and installation possibilities, according to the company.

FAB Bertelmann said that wearing virtual reality glasses is an evolution of the 3-D CAD systems and will be a major future trend for the next five to 10 years in engineering. It said that engineers will be able to “walk through” power

plants to explore all angles of their design concept before installation work starts. It also creates an additional value for sales and helps for branding products.

The DyConcept – Toolkit can also aid with a variety of tests and analysis including those covering vibration, calculation of lubrication and coolant systems. In addition, DyConcept features an automated creation of technical documentation, providing extendable interfaces of other calculation and simulation software.

The modular software structure toolkit enables the users to create custom workflows for a wide range of engineering, development, as well as sales applications of their products. [dpi](#)

FOR MORE INFORMATION
www.fa-b.de