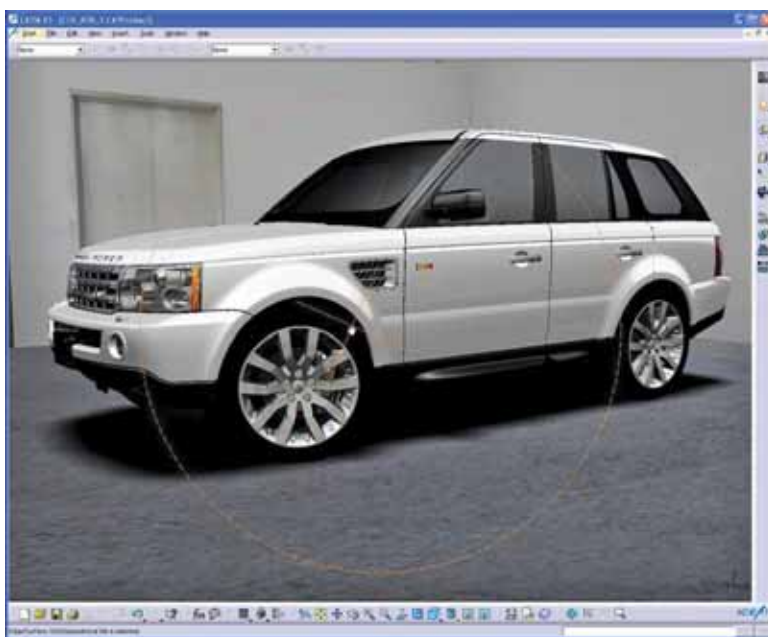
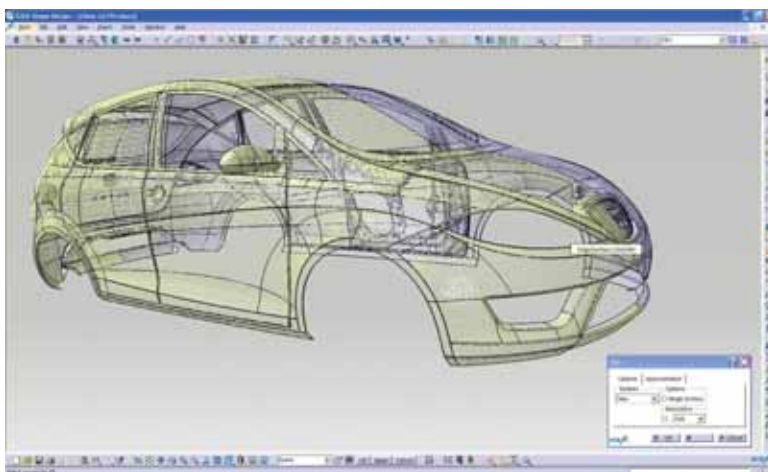


ISD on ICEM 'roadmap'

ICEM has developed a new software suite for product design development, called ICEM Shape Design (ISD), that is the first fruit of a strategic software partnership with **Dassault Systèmes**. The new software provides a range of tools for the creation, validation, and modification of anything from free-form surfaces to complex mechanical shapes.



With ISD's Realtime Renderer, a digital model, such as this Range Rover Sport, can be placed in an environment for realistic visualization.



The EX3 configuration of ISD provides global surface and shape modeling alongside feature-creation tools for modeling aesthetic and ergonomic surfaces.

Developed for Dassault's CAA V5 software architecture, the new software integrates seamlessly with Dassault's CATIA V5 collaborative product development and manufacturing software suite and other CAA V5-based product life-cycle management (PLM) environments.

"By enabling design development and engineering processes to proceed in parallel at a much earlier stage, ICEM Shape Design will help automotive and other manufacturing companies meet ever shorter product development time scales as well as the demands for higher perceived and actual product quality," said Lee Cureton, ICEM's Chief Executive. ISD is associative and its "feature-based modeling techniques mean that a design change no longer represents a complete rework of the surface model," said Pete Moorhouse, Director, Product Marketing, ICEM. "This is where ISD product really comes into its own."

The use of ISD will enable native CAA V5-based design data to be used throughout the entire vehicle design development, engineering, and manufacturing process. "This would remove the need to translate data at any stage, thereby improving the overall product development workflow and avoiding the possibility of costly delays caused by incomplete data," said Jeff King, Digital Design Data Manager for **Bentley Motors**.

The ISD software suite comprises a family of modules that address different aspects of the product development process. The three standard configurations—CE3, EX3, and RE3—are based on the ISD Centre product, which includes tools for the modeling of Class-A surfaces. CE3 adds ISD Realtime Renderer and an IGES interface, EX3 features ISD Expert and an IGES (initial graphics exchange specification) interface, and RE3 has ISD Scan, ISD Quick Surfacer, ISD Form, and an IGES interface. To the three standard configurations a range of more specialized modules can be added that provide more advanced surface modeling capabilities as well as reverse engineering,

