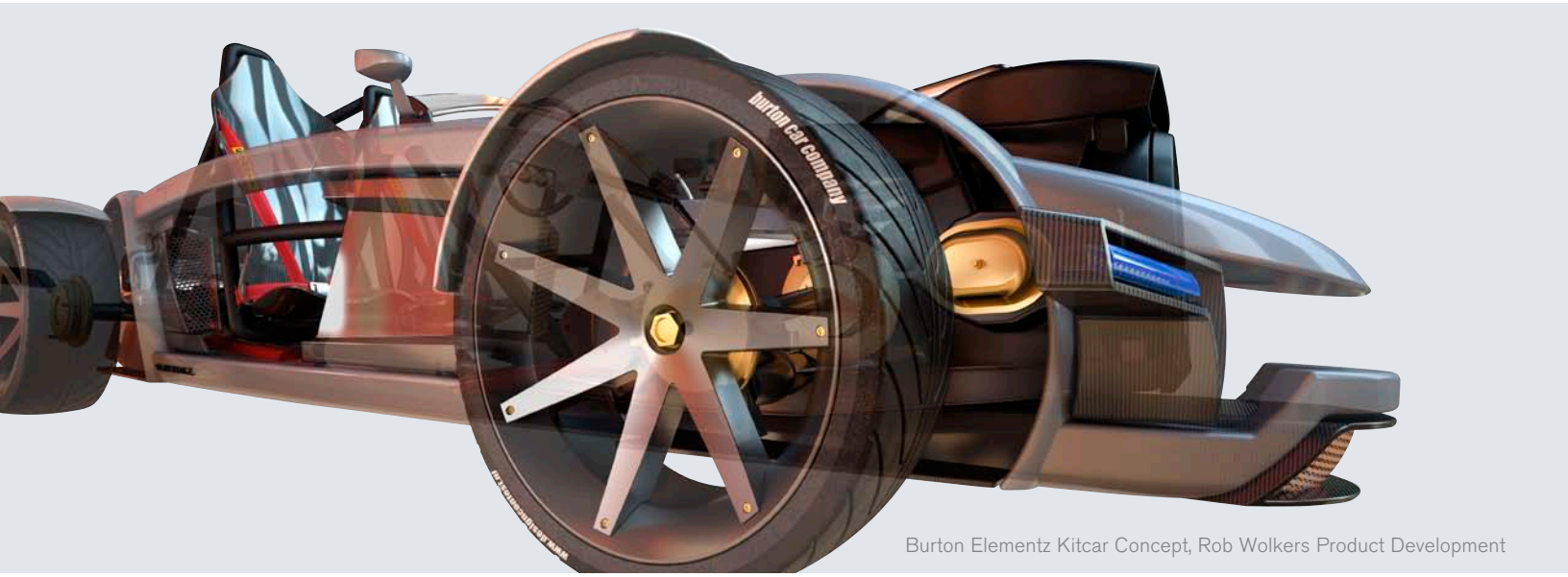
SolidWorks OEM

A COMPLETE 3D MODELING TOOLKIT FOR SOLIDWORKS OEM PARTNERS



Burton Elementz Kitcar Concept, Rob Wolkers Product Development

SolidWorks OEM extends the capabilities of your existing software or hardware solution with advanced technology, providing you with a competitive edge and improving your market reach, time-to-market, and profits.

As a provider of advanced engineering and manufacturing solutions, you can better meet the technology demands of your customers by incorporating SolidWorks® OEM into your product offerings. This toolkit expands the capabilities of your software or hardware solutions with powerful and flexible technology provided only by SolidWorks – the leader in CAD technology.

Stand apart from your competitors

SolidWorks OEM offers a full range of innovative software functions that you can easily adapt to your industry's unique requirements – and to your customers' needs – using the SolidWorks Application Programming Interface (API).

Stand apart from your competitors with advanced technology that enhances the value of your products. Improve your solution offerings with best-in-class capabilities, including:

- Parametric solid modeling – Access proven modeling and visualization capabilities that are fully associative. Changes update automatically throughout your applications, reducing time-consuming tasks and errors for your customers. SolidWorks OEM software includes advanced modeling technology for sheet metal; surfacing; weldments; mold, tool, and die; and much more
- Parts and assemblies – Give your customers the ability to create, configure, and manage mechanical parts and assemblies made of hundreds, thousands, or even tens of thousands of components

POWERED BY SolidWorks

real performance

Help. SolidWorks OEM comes with an HTML-based Help system, complete with hyperlinks and animations, online tutorials, a design portfolio with how-to instructions, and a glossary.

Data exchange. SolidWorks OEM features built-in translators that let you exchange CAD data using a wide variety of file formats, including:

- DWG
- DXF™
- Pro/ENGINEER®
- IAM (Autodesk Inventor®)
- IPT (Autodesk Inventor)
- Mechanical Desktop®
- Unigraphics®
- PAR (Solid Edge®)
- CADKEY®
- Rhino
- IGES
- IDF
- STEP
- Parasolid®
- SAT (ACIS®)
- VDA-FS
- VRML
- STL
- U3D (Universal 3D)
- TIFF
- JPG
- AI (Adobe® Illustrator®)
- PDF
- 3D XML
- CGR (CATIA® graphics)
- HCG (CATIA highly compressed graphics)
- HSF (Hoops)
- PSD (Adobe Photoshop®)

Supported standards:

- ANSI
- ISO
- JIS
- BSI
- DIN
- GOST
- GB

- Drawings – Harness the power of SolidWorks software's fully associative drawing creation capabilities. Create drawings that automatically update with each parametric model change. Use existing DWG and DXF data in drawings and models alike.
- User interface – Streamline and refine the user interface of your solutions to maximize usability. Take advantage of the easy-to-use SolidWorks interface to shorten your customers' learning curve
- Native SolidWorks data management – Improve convenience and meet customer demand for native SolidWorks data support, widely used across a variety of industries and applications
- File translation – Allow your customers to output and exchange data using more than 20 standard file formats
- SolidWorks eDrawings® – Leverage eDrawings technology – leading-edge publisher and viewer technology from Dassault Systèmes SolidWorks Corp. – providing a superior collaboration tool for your customers
- Data management – Access a wide range of SolidWorks data management solutions that enable your customers to manage documents reliably, while ensuring data integrity

Expand your organization's market reach

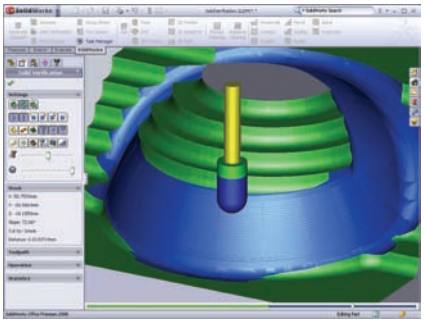
As a SolidWorks OEM Partner, you are part of a powerful network – nearly one million users worldwide and hundreds of partnerships that span a comprehensive range of design and manufacturing disciplines. With SolidWorks technology and brand awareness, you can expand your market reach across the globe. Companies both large and small depend on SolidWorks software. In addition, SolidWorks skills are taught at a variety of educational institutions – from vocational schools to major universities. Adopting SolidWorks technology into your solutions reduces training requirements for your customers. By providing them with a larger available workforce familiar with SolidWorks, you can further extend the value of your solutions worldwide.

Improve profits by conserving technical resources

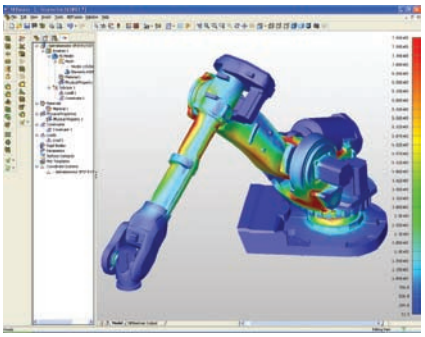
By incorporating SolidWorks OEM software into your existing solutions, your organization can avoid the costly and time-consuming software development efforts that were typically needed to enhance your software or hardware. Dassault Systèmes SolidWorks Corp. continuously invests in research and development to ensure that SolidWorks technology remains the most innovative and cutting-edge software available. With each new release, SolidWorks is consistently first to introduce timesaving innovations and to implement hundreds of customer-requested enhancements. For more than a decade, SolidWorks developers have invested thousands of hours to build and refine the capabilities of SolidWorks software. Why reinvent the wheel now?

Languages supported:

Chinese Simplified
Chinese Traditional
Czech
English
French
German
Italian
Japanese
Korean
Polish
Portuguese
Russian
Spanish



Many CAM companies – such as HSMWorks, SolidCAM, and Geometric Technologies – rely on SolidWorks OEM as a modeling engine for their world-class integrated CAM products.

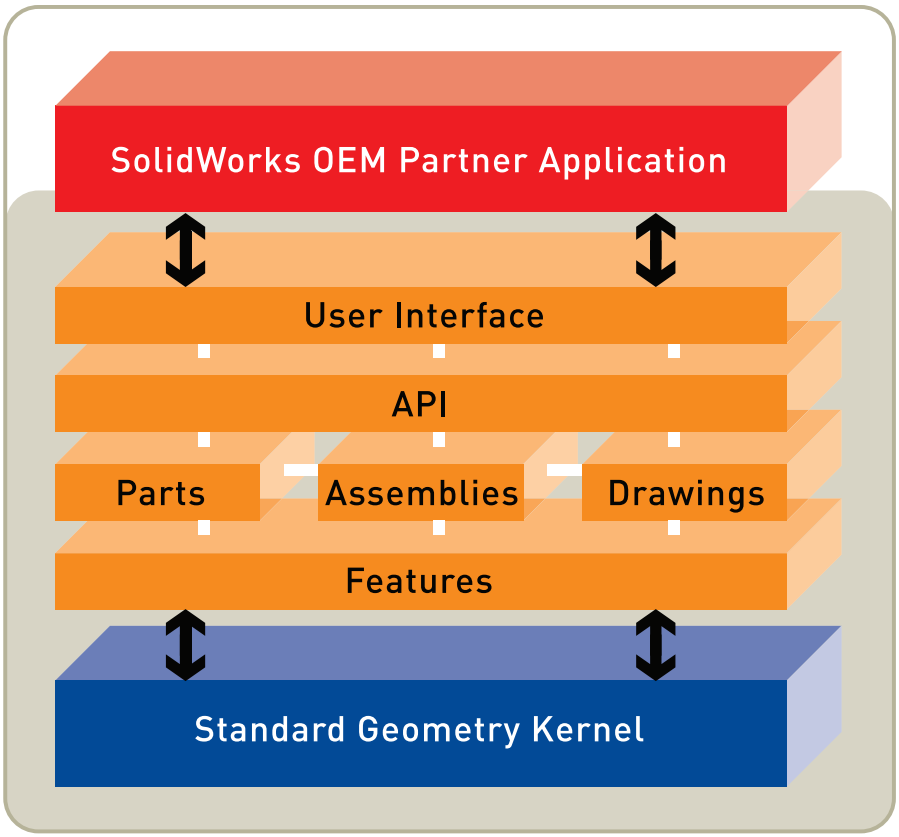


CAE products, like Noran Engineering's NEiFusion™, incorporate SolidWorks OEM to leverage the market-leading technology of SolidWorks, and to provide cutting-edge engineering software to their customers.

Keep your costs low with flexible licensing options
SolidWorks OEM software can be customized to suit your needs and to keep your costs low. With module options that are simple, straightforward, and easy to choose from, you can either bundle SolidWorks with your product or embed SolidWorks technology into your product.

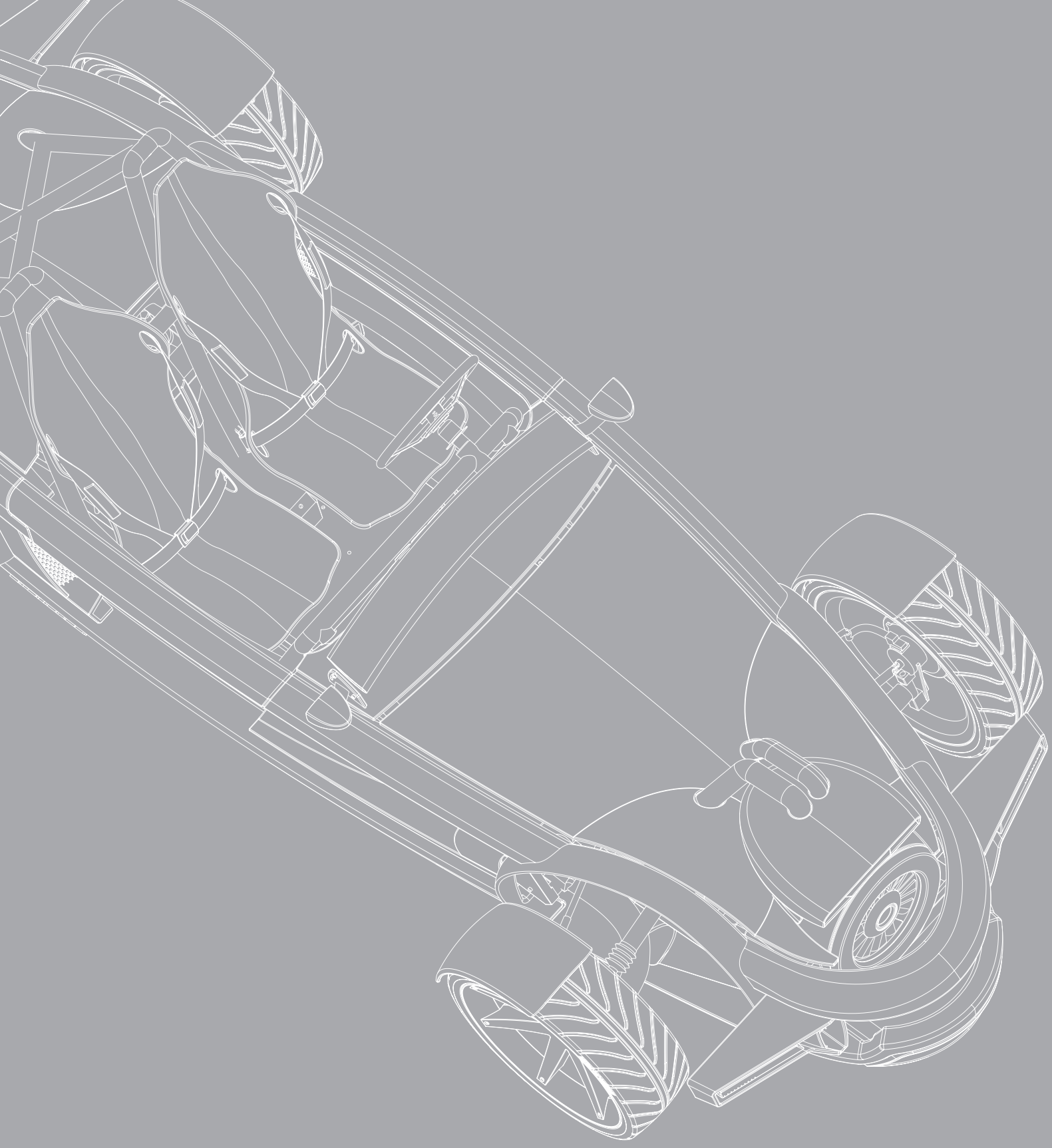
Bundled SolidWorks OEM
Bundling SolidWorks OEM with your products is the fastest way to provide world-class modeling technology to your customers. With SolidWorks OEM Bundles, customers receive your product and SolidWorks software that they can install on their systems.

Embedded SolidWorks OEM
Embedding SolidWorks OEM technology into your product gives you the flexibility to include modeling software inside your product, while building your own brand awareness. With SolidWorks OEM embedded into your product, your customer experiences a streamlined installation process and a single-user interface all under your brand name.



Lower your costs with flexible licensing options and a choice of software modules that can be configured to meet the requirements of your market. SolidWorks OEM provides the flexibility to include any combination of SolidWorks Parts, Assemblies, and Drawings in your solution.

For More Information
To learn more about SolidWorks OEM, visit www.solidworks.com/OEM or contact us at oem@solidworks.com.



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