IX SPeeD® V5 Suite
for Simultaneous Product Development

The IX SPeeD V5 Suite from ImpactXoft is the first solution to enable true Simultaneous Product Development (SPD) by providing a design environment in which participants can work in parallel to develop quality products. An SPD process means that companies can activate and leverage a globally dispersed design team made up of different disciplines. ImpactXoft's solution provides the opportunity to dramatically drive down design cycle times and design costs, offering companies the agility they need to foster innovative, customer-centric products.

The IX SPeeD V5 Suite Features:

- *IX Functional Modeling.* This new design approach enables you to stay true to your design objectives while the geometric model is generated automatically to meet your requirements. Designs can be built and modified faster and more efficiently while capturing the intelligence necessary to improve the overall understanding of the design.

- *IX Instant Participation.* This is the ability for all resources engaged in product development to work in parallel on the same part design. During iterative design sessions, no matter where you are, you can communicate design changes with other project participants by sharing your design changes and by merging design changes that you receive into your working model.

- *Interoperability with Dassault Systèmes CATIA® V5.* The IX SPeeD V5 Suite is the only collaborative design solution completely and natively interoperable with CATIA V5 and Dassault Systemes' PLM products. IX users can work with CATIA V5 users on the same project without losing vital information while moving data between applications. ImpactXoft's solution provides powerful design software to companies that require a connection to products built with Dassault Systèmes' V5 solutions, such as those in consumer goods, the electronics and electrical industries, and the automotive and aerospace supply chains.

With the IX SPeeD V5 Suite, a focused community of resources can be engaged in a parallel process to easily define new products and understand, apply, and communicate design changes. All the while, each participant can focus on the product from their own perspective.

✓	Innovation	Develop cutting edge products through "give and take" participation of cross-functional teams involved in the design
✓	Flexibility	Preserve design behavior and requirements while applying major changes at any time during the development process
✓	Quality	Improve products by discovering design inconsistencies earlier in the development phase thanks to early involvement of key design disciplines
✓	Time	Shorten development time through iterative sessions carried out in parallel with participants working form different perspectives
✓	Speed	Drive a continuous, global development process where participants can work anytime and anywhere while effectively communicating deign changes
✓	Agility	Reconfigure a dynamic network of resources on an as needed basis

IX Design® V5: Capturing Design Intelligence

The IX Design V5 application's built-in intelligence helps drastically reduce design steps and speed up the product development process by making it easier to understand a design and apply changes to it. The key is a behavior-driven approach that enables users to concentrate on what they want to model, not how to model it. Some of the unique aspects of IX Design V5 include:

- Functional bodies, volumes and features
- Integrated flexible surfacing capability
- Intelligent assembly functionality
- Effective data organization
- Design analysis and verification
- Precision detailing and drawing

IX Connect V5: Sharing and Merging Design Changes

IX Connect V5, which will be released as part of the IX SPeeD V5 suite soon, introduces a breakthrough in design team interaction. The product supports an innovative "sharing and merging" paradigm to help designers effectively communicate design changes.
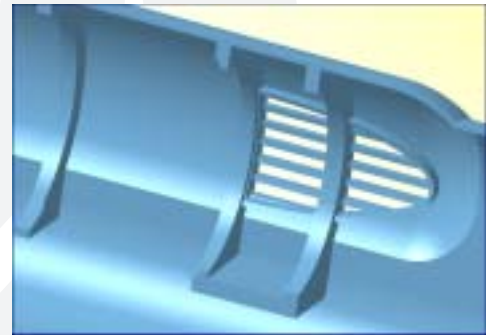
- Powerful sharing and merging tools for the exchange of design data
- Subscription capabilities and various progress evaluation methods
- Efficient and intuitive communication with other participants

IX SPeeD V5 Suite Add-Ons

The IX SPeeD V5 Suite offers additional add-on packages that enable you to expand your ability to interface with other systems and extend your application needs:

- IX Sheetmetal Design
- IX Prismatic Machining
- IX Healing Assistant
- IX STEP Core Interface
- IX Generative Part Structural Analysis
- IX NC Manufacturing Review
- IX STL Rapid Prototyping

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The innate knowledge of the IX functional features ensures that they maintain their predefined behaviors, even when intersecting other features.

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