Design Automation Solutions

IMAGINiT Technologies specializes in developing customized Design Automation and Knowledge Based Engineering (KBE) applications meeting specific client needs across various engineering segments. Our Design Automation solutions assist engineering organizations in developing products and executing projects with improved quality and at optimal cost. We help clients reduce the manual aspect of the design process and related errors while capturing organizational knowledge of proprietary processes for future use.

Identify Bottlenecks
IMAGINiT will identify stages across the engineering product / project life-cycle that are most suitable for automation and utilize the most appropriate technology and software based on our client’s needs. We support clients in adopting new engineering platforms and maximizing returns on their technology investments by leveraging our technology expertise, knowledge of best practices, and experience in delivering successfully on various Design Automation and KBE applications.

Work Smarter, Not Harder
IMAGINiT provides process automation services to extend CAD tools and automate CAD processes, as well as to automate business logic. The goal is to reduce end-user effort, so employees work smarter, not harder.

With our Design Automation and KBE applications, you can significantly reduce the time and effort it takes to manually:
- Extract BOM and Property Data
- Apply Business Rules
- Make Common Design Decisions
- Perform Non-Value-Add Operations

The knowledge base of product design comprises of elements like rules, tables, equations, etc. which are captured to create templates of new and variant designs.

Immediate Productivity Gains, Savings and Risk Reduction
IMAGINiT’s Design Automation solutions make it possible to eliminate repetitive tasks, increase speed and consistency, and condense processes to one or two mouse clicks, allowing engineers to focus on high level design, rather than the mechanics of the drawing technology. With years of industry experience, our team will help you reach new levels of productivity and customer satisfaction.

About IMAGINiT Technologies
IMAGINiT Technologies, a Rand Worldwide Company, is the world’s largest provider of enterprise solutions to the engineering community, including the building, manufacturing, civil and mapping industries. With over 25 years of experience, and 45 offices throughout North America, we provide the expertise, training and support to help companies realize the full power of design technology, maximize ROI and gain competitive advantage.

IMAGINiT is a leading provider of Autodesk software solutions and the largest North American Autodesk Authorized Training Center (ATC) partner. All of our locations are supported by a vast pool of engineering resources focused on developing real-life business solutions for their local clients.