

ILIAD™

Design Exploration Automation Studio



DEVELOPMENT ENGINEERS USE OMNIQUEST™ ILIAD™ DESIGN EXPLORATION AUTOMATION STUDIO TO INTEGRATE AND OPTIMIZE SYSTEM SOLUTIONS.

ILIAD CAN WRAP AROUND ANY STAND-ALONE ANALYSES OR SCRIPTS TO ENABLE AUTOMATED INTEGRATION OF THESE COMPONENTS INTO THE DESIGN PROCESS WORKFLOW. WITH WORLD-LEADING OPTIMIZATION ENGINES, A WIDE ASSORTMENT OF POST-PROCESSING TOOLS, OUT-OF-THE-BOX INTERFACES FOR LEADING UTILITY AND ANALYSIS SOFTWARE OFFERINGS, ILIAD EMPOWERS A SINGLE-LOGICAL VIEW OF THE POSSIBLE.

A MULTIDISCIPLINARY DESIGN, OPTIMIZATION (MDO), AND PROCESS INTEGRATION PLATFORM, ILIAD EMPOWERS THE DESIGN ENGINEER WITH OPTIMIZATION, DESIGN OF EXPERIMENTS (DOE), RESPONSE SURFACE APPROXIMATION (RSA), AND PROBABILISTIC (ROBUST AND RELIABILITY-BASED) ANALYSES.



INCREASE EFFICIENCY

- Automate design processes
- Reduce design cycle time
- Improve product reliability
- Perform trade-off studies

LEVERAGE DESIGN DATA

- Drive optimization
- Identify critical parameters
- Utilize meta-modeling
- Visualize data

EASE OF USE

- Visual programming
- Extensive Help collection
- World class customer support
- Customized Controls

FASTER DESIGN TO MARKET

- Automate design exploration
- Develop end to end solutions
- Multi-physics and models
- Integrated API and scripting

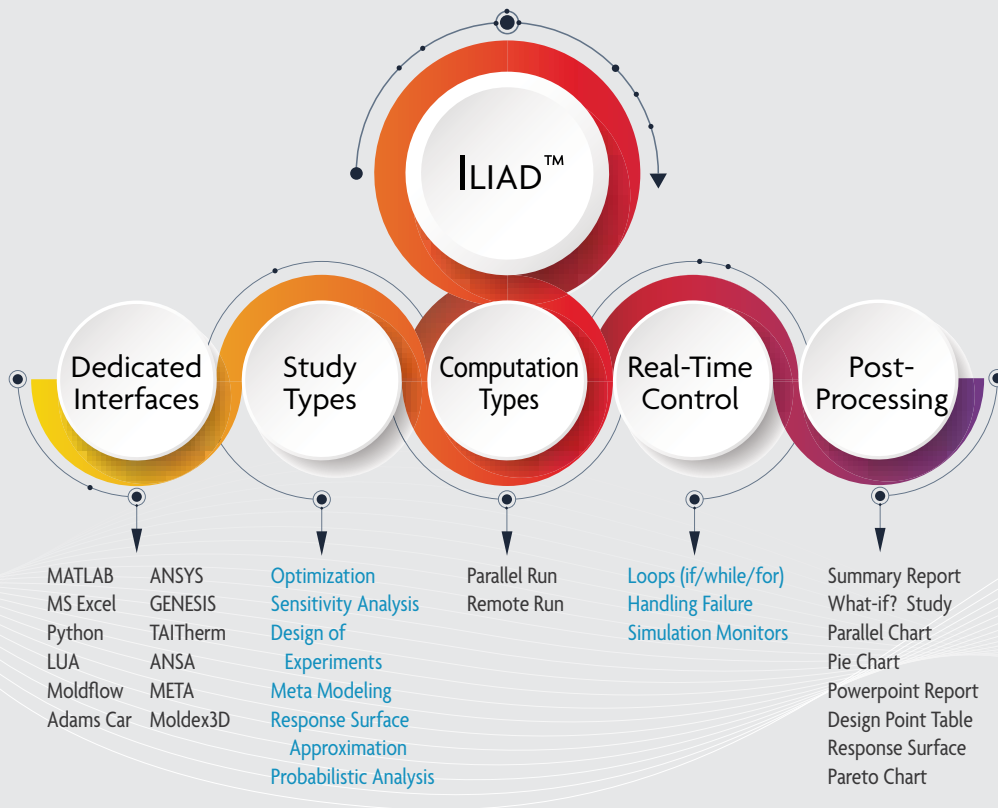
Entering our fifth decade, OMNIQUEST engineers have pioneered and invented game-changing products from what was once merely optimization theory.

Relentless product enhancement earned global multi-national clients that drove the CAE industry to capitalize on OMNIQUEST excellence.

You and your team can immediately enjoy optimization excellence. OMNIQUEST industry-leading clients rely on to create their best designs.

ILIAD™ Background

ILIAD is a multidisciplinary design, optimization, and process integration software. It is a tool for design process definition, integration, execution, and automation. The design modules included are Optimization, Design of Experiments, Response Surface Approximation, and Probabilistic (Robust and Reliability-based) Analysis. ILIAD can be used to add these modules to almost any analysis program.



CONTACT US

Connect with us now for complimentary webinars and evaluation software.

Our engineering team can work with you to conduct a Test Case showing how OMNIQUEST will improve your designs, processes and your overall business.

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OMNIQUEST ILIAD Capabilities

