HCL RTist provides software engineers with feature-rich tooling for designing, analyzing, building, debugging and deploying real-time applications.

Supporting the Unified Modeling Language (UML) and its real-time profile (UML-RT), RTist allows developers to design their applications at a higher abstraction level than code.

**CAPABILITIES AND BENEFITS**

**BUILDS EXECUTABLES YOUR WAY**
- Builds applications interactively and from batch builds
- Allows for easy setup of build configurations
- Provides a highly-customizable run-time environment

**DESIGNS AT A HIGHER ABSTRACTION LEVEL THAN CODE**
- Provides UML Realtime models, statecharts, composite structure and other diagrams
- Utilizes a powerful Code Editor built on an Eclipse CDT
- Realizes thread safety using state machines and message-based communication
- Supports industrial-scale applications

**ALLOWS FOR TEAMWIDE COLLABORATION**
- Supports Git and other SCM systems
- Features an interactive and intuitive compare/merge of both model and code
- Provides a powerful command-line interface

**DEBUGS AT A HIGH-LEVEL (VERIFIES DESIGN AND DETECTS FAILURES)**
- Features interactive model debugging
- Allows for trace management and visualization
- Provides run-time structure monitoring and behavior animation
- Offers combined model and code debugging

**ANALYZES THE APPLICATION**
- Features navigation and search with diagram highlighting
- Supports refactoring of models and code
- Synchronizes code changes back to the model