

INTEGRATED DEVELOPMENT ENVIRONMENT SOLUTION

CGN helped the Electronics Division of a large manufacturing company develop an integrated development environment for embedded systems.

Business Problem

The Electronics Division of our client was looking to develop a 'Next Generation Electronics' architecture. In order to align their processes with this new architecture, many of their current processes needed to be automated. This required the development of a tool that could assist in designing, integrating, deploying, simulating, and testing of the client's hardware and software. In addition, the tool needed to be commercially available to the client's customers who integrate the client's supplied hardware and software.

CGN Solution

The CGN team led our client in the process of defining, architecting, and developing an integrated development environment. The CGN team assumed the leading role in driving the project from vision to reality. The following major activities were lead by the CGN team:

- Provided project management leadership
- Gathered and documented the tool's functional requirements
- Developed a phased approach to tool development
- Created an architecture that is compatible with the client's current environment and legacy applications
- Developed the tool and the necessary plug-ins using Eclipse (an open extensible IDE initiated by IBM)

Customer Benefit

Allowed the client to collect and view customer information from one application as well as target marketing efforts to specific customer groups.

SCOPE

Understand customer needs; gather, document, and analyze customer requirements; develop prototype

BUSINESS DRIVERS

Assist in rapid prototyping development; process automation; independent of proprietary third-party tools; compatibility with current environment and applications



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