



Impac Systems Engineering provides custom programming services to create applications that aid in the design process. Programmed Applications can automate repetitive tasks and stream line design calculations to ensure accurate results. Programs can be written to retrieve parts from a database, create BOM, read and write PTC and Autocad files as well as many engineering design calculations. By automating the design process, the product development lifecycle is reduced and accuracy is enhanced.

Engineering Design Programming Services

Discovery and Analysis

Project teams will have discussion sessions to document the exact functional and technical specs based on the activity to be performed.

- List of activity in the order of priority will be documented
- Review the existing application
 - Review of the flat files
 - Retrieving and saving the data using proprietary file format
 - Review list of master files used in the system
- Review of input files
- Documenting and reviewing the coding and deliverable

Development Process

- Discovery and Analysis
- Technical Design Phase
- Development Phase
- Quality Control Phase
- Implementation Phase

CAD Program API Libraries

- PTC API Tool Kit
- AutoDesk RealDWG
- j-Link

Platforms

Windows XP/2002 Server, Solaris, Linux, Macintosh

Programming Languages

ActiveX, COM/DCOM, C++ & C# (on Windows and UNIX), Java, Delphi, VB

Internet Technologies

JavaScript & DHTML, HTML, PHP, DOM/XML, ASP, ASP.Net, Perl with DBI/DBD, JSP, Servlets, EJB, JDBC, RMI, CORBA, XML, SSI, JINI, IIOP, CGI, WML, WMLScript, Apple Script

Database Development

Oracle, MS SQL Server, Sybase, MySQL, DB2, MSAccess

Application Frameworks

Microsoft, Microsoft. Net, J2EE and Open Source, Sun

Streaming Media

RTSP (Real Time Streaming Protocol), Real Server, SMIL (Synchronized Multimedia Integration Language), Real Pixel Script (For image stream)

Database Connectivity

JDBC, ODBC, DAO, ADO, RDO, OLE DB, DB Direct

Software Development Environments

Visual Studio, Net, Visual Basic, Delphi, J2EE

Mobile Solutions

PocketPC, PalmOS, Windows CE, BREW & J2ME

Graphic/Web Page Design

Adobe After Effects & Photoshop; Macromedia Director & Flash, Dreamweaver & Fireworks

At Impac Systems Engineering, our mission is to build trusting relationships with our customers by providing world-class business build and grow their businesses, and to provide strategic advantage by offering the latest in product advancements. As shifts occur in market conditions and emerging technologies, our customers remain our first priority. By doing so, we partner in the success of our customers and establish long-term relationships that last long after the moment of purchase.

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