



Software Development Center

Who we are

- Established in 1994, Sutra is successfully serving International Customers in Japan and Europe.
- Sutra is the Software Development partner for leading international companies.
- Sutra is Software Product Development Company with expertise in **Enterprise Solutions and Engineering Solutions.**
- Sutra offers cost effective and innovative solutions using latest Computing technologies.
- Sutra is an **ISO 9001:2008 certified** company having international business experience.

Key Characteristics

- Qualified personnel from premier institutions with international experience.
- **Strong Understanding of Business Processes.**
- In Depth Knowledge of Software Engineering Processes.
- Extensive Offshore Project Management Experience.
- **PMI Certified** Project Leads, **Sun Certified** Java Developers, **Dedicated QA**, Support teams.

Key Industries

- Software Developers
- System Integrators
- Telecom/Mobile
- Manufacturing
- Healthcare
- Insurance

ISMS Policy

- Sutra values secrecy of Client Data/ IPRs to highest degree.
- Sutra has ISMS (Information Security Management System) Policy in place.

SDLC Phases

- Business Analysis (Requirement Analysis)
- Project Planning
- Functional Design
- Test Case Design
- Structural Design
- Coding
- Testing (Unit, Integration, System)
- Implementation and Support
- Maintenance and Enhancement

Deliverables

- User Requirement Specifications OR Software Requirement Specifications
- Software Development Plan (Estimation, Schedule, Efforts, Resources, Training, Testing, Risk Management)
- Functional Design Document
- Test Case Design Document
- Structural Design Document
- Source Code OR Object Code
- Defect Report
- User Manual, Installation Guide
- Application Updates, Higher Versions

Enterprise Solutions	
<p>Domains</p> <ul style="list-style-type: none"> - Web/Database Applications - Business Support Systems - PDM / PLM Solutions - Mobile / Embedded Systems <p>Some Key Projects</p> <ul style="list-style-type: none"> • Event Management System • Contract Document Management System • Online Recruitment System • Facility Management System • eCatalog and Configuration • Navigation System for Sharp PDA using GPS 	<p>Technology</p> <p>Java</p> <p>Microsoft</p> <p>Wireless</p> <p>Databases</p> <p>Networking</p> <p>XML, XSL, XSQL</p> <ul style="list-style-type: none"> • JDK, JSP, EJB, J2EE • VC++, VB, ASP, .NET • WAP, J2ME, eVB, eVC • Oracle, SQL Server, MySQL, PostGreSQL, SQL CE • SNMP, BackNET, BlueTooth, IRDE

Engineering Solutions	
<p>Domains</p> <ul style="list-style-type: none"> - CAD/CAM/CAE Solutions - GIS Solutions - Engineering/Scientific Analysis & Visualisation <p>Some Key Projects</p> <ul style="list-style-type: none"> • Geometry Modeling • Pre/Post Processing • Data Viewing or Data Conversion • Disaster Management System • Graphical Viewers for data modeling and Scientific visualization • Tools to aid and speed up engineering analysis and scientific interpretations • Simulation using Matlab/Simulink 	<p>Technology</p> <p>CAD</p> <p>CAE</p> <p>Graphics</p> <p>Microsoft</p> <p>Java</p> <p>WAP</p> <p>Databases</p> <p>XML, XSL, XSQL</p> <ul style="list-style-type: none"> • Various CAD systems as per client requirements • Various CAE systems as per client requirements • C, C++, Fortran, OpenGL • VC++, VB, ASP, .NET • JDK, JSP, EJB, J2EE • J2ME, BlueTooth • Oracle, SQL Server, MySQL, PostGreSQL

Software Products	
<p>HawkEye A Web based Project Management Software</p> <p>Dashboard and Reports, Multiple Projects Monitoring and Control, Document Management, Project Archival, Resource Management, Quick and easy, Data Import and Export with MS-Project, MS-Excel, CSV, Security and Access Control, Communication and News</p>	<p>Falcon A Lightweight General Purpose FEM Post Processor</p> <p>3D Support based on OPENGL, Can Handle Large Models Multi Window / Multi View Port Support, Support for UNV and NASTRAN Files, Can Display Contours / IsoSurfaces / Deformation / Vectors / Animation etc</p>

Technology Solutions	
<p>Eagle and Hawk Java Based Framework for CAD/CAE Applications</p> <p>Hawk</p> <p>Eagle</p> <p>Service</p> <ul style="list-style-type: none"> • MVC based front controller and service architecture • MVC based servlet and applet communication architecture • Stateless layer for implementing business rules in a typical web application 	