

PEGASUS SOFTWARE CONSULTANTS PVT LTD

Executive Summary

COMPANY

Pegasus Software Consultants Pvt. Ltd. is a technology company focusing on two major market segments: *geomatics* and *custom software development services* in technology areas. Pegasus offers COTS geomatics products and customized geomatics solutions. In addition, Pegasus also designs and develops customized software solutions in technology areas to meet the requirements of its clients.

R&D Focus

Pegasus has invested in considerable R&D and developed geomatics products ground-up from scratch. Pegasus has created IP and owns the source code of its geomatics products.

Several of its software services contracts have been one-of-a-kind, R&D projects. Pegasus was awarded **ADE/ASIEO Creative Partnership Award**, 1999, for its role in Project Nishant of ADE, DRDO, Bangalore.

FIRST INDIGENOUS GEOMATICS PRODUCTS

The first indigenous GIS product **ISROGIS** was designed and developed by Pegasus in R&D collaboration with Space Applications Centre, ISRO, Ahmedabad.

Yet another *first* by Pegasus is the release of geomatics product **MAPSY** under Linux for field based mobile applications. MAPSY is a GPS enabled geomatics product that runs on the palmtop *Simputer*.

GEOMATICS PRODUCTS

GIPSY offers 2D and 3D GIS functionality for geographic data processing through seamless integration of spatial and attribute data. GIPSY is available on Windows, Unix and Linux platforms, with rdbms interface to Oracle 9i, PostgreSQL and Integra 4.

MAPSY is a palmtop GIS product for field based geomatics applications such as surveying, resource mapping, assets management, navigation, etc. The product interfaces to NMEA 0183 compatible GPS receivers.

GeoEngine is a C/C++ library that forms the core engine of both GIPSY and MAPSY. PCI Inc., Canada has licensed GeoEngine for 3D modeling and network analysis, to create *SPANS PathFinder* a product marketed globally as a component of SPANS product suite of PCI.

GEOMATICS CUSTOM SOLUTIONS

Drawing upon its unique advantage of being an Indian company with source level IP for its geomatics products, Pegasus provides customized geomatics solutions for R&D projects in high tech sectors: defence, space, etc. Major geomatics custom solutions delivered include

- An embedded GPS enabled GIS solution on handheld hardware for command and control applications.
- Real-time GIS solution to control and navigate India's unmanned air vehicle (UAV), Project Nishant, ADE, DRDO, Bangalore.
- Flight plan preparation for mission planning and retrieval unit (MPRU) developed by LRDE, DRDO, for ADA, Bangalore.
- Geo-coded product extraction for SAC, ISRO, Ahmedabad.

GEOMATICS DATA ANALYSIS

Pegasus has delivered geographic data creation, modeling and analysis solutions to its clients. Geographic data analysis work for the projects was carried out using geomatics products of Pegasus.

- Study of Carrying Capacity of Damodar River Basin for CMRI, CSIR, Dhanbad; work done for a World Bank project of Ministry of Environment, Govt. of India.
- Environment Impact Analysis for siting of tourism resorts in Kerala for a consulting architects company, Salim Consultants.
- Creation and integration of geographic database for the national capital region, NCRPB, New Delhi.
- Creation of geographic database with 2D and 3D data for Nishant trials in several parts of the country.
- Geographic data for several clients: Essar, New Delhi, GEC, Bhuj, Samuha, Raichur, ISRO, Ahmedabad, KSRSC, Bangalore.

BESPOKE SOFTWARE SERVICES AND CONSULTING

In addition to specializing in software tools for geomatics, Pegasus offers custom software development services in technology areas. Working closely with the client from specifications to delivery and support, Pegasus provides complete software solutions meeting custom requirements of clients.

- Radio Diary Processing to Arbitron, USA, for generation of FM radio station ratings from hand-written listener diaries.
- Parallel processing tools for indigenous parallel computers developed by ANURAG, DRDO, Hyderabad, CDAC, Pune, and CDOT, Bangalore.
- B-Tree based real-time Data Manager for large satellite simulation chamber (LSSC) of ISAC, ISRO, Bangalore.
- User Interface Management System for display and animation of process control diagrams of LSSC, ISAC, ISRO, Bangalore.
- GIST based Indian Language Graphics Tools for CDAC, Pune.
- Consulting services to Arbitron, USA, flipside.com, USA, ISAC, Bangalore, SAC, Ahmedabad, NIO, Goa.

OTHERS

Pegasus is the developer of the Indian Language word processor **ALP** based on GIST technology under MS-DOS. Distributed by CDAC, Pune, ALP works with several Indian languages, Sinhalese and Nepali.

Pegasus personnel have authored papers in geomatics, conducted courses and lectured at seminars.

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CONTACT

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