

Applications

Services & Consultants

Advanced Systems Engineering, Virtual Prototyping & Visualization Engineering

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Advanced Technology and Research Corporation specializes in the systems engineering of advanced technology solutions for the automation of complex processes, employing both virtual and real-world prototyping. Advanced Technology and Research also provides graphics animation services to both government and commercial clients.

We have developed complete and cost-effective solutions for USPS, NIST, DoD and NASA. Areas of expertise include virtual prototyping and engineering visualization. The use of simulation early in the engineering process allows the development and evaluation of design alternatives in a synthetic environment before committing to expensive physical implementations.

IRIX version compatibility:

Avionics/Vetronics Integration Facilities

Walter F. Muller
Vice President
Masters Aerospace &
Systems Group, Inc.
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Masters Aerospace & Systems Group integrates complete SGI based solutions for real-time simulation and data acquisition applications. Masters wide range of VME MIPS processor based VME single board computers and interfaces provide the peripheral processing and I/O required to utilize the power of SGI platforms in these applications.

Complete solutions for avionics or vetronics development, integration and test are available from Masters. These solutions utilize SGI hosts together with hardware and software components from Masters ADS-3000 family. Specific expertise includes: high-rate frame based simulation, Hardware-In-The Loop, Man-In-The Loop, data bus emulation, data acquisition and analysis.

IRIX version compatibility:

Brawler™

Earl Lazarus
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BRAWLERTM) is a many-on-many air combat simulator. It provides a detailed representation of engagements involving multiple flights of aircraft in both the WVR and BVR arenas. This demonstrates the importance of cooperative tactics, surprise, confusion and maintaining accurate situation awareness. Special emphasis is placed on simulating pilot decisions and thought processes. A high level of detail is achieved in modeling hardware systems including aircraft, weapons, ECM and other avionics devices. BRAWLER is used by a variety of government and commercial organizations to do airframe, avionics and weapon design tradeoffs and to develop tactics.

IRIX version compatibility:

Services & Consultants

Database Consulting

Scott Henderson
Owner
Database Consulting
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I am an independent consultant specializing in the creation of real-time simulation databases for SGI Reality Engines. Anything from planes, trains, and/or automobiles to airfields, driving sim databases, etc. Reasonable prices and quick turnaround times.

IRIX version compatibility: 5.x, 6.x

Fads & Fashion

Radoslaw Zapert
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Fads & Fashion is a computer simulation model to forecast the sales of musical Compact Disks. It used to the real sales, promotion, and airplay data to forecast the demand (sales) of given musical albums in given markets. It uses the Multiple Autonomous Agent Technology to model the consumer behavior.

IRIX version compatibility: 6.2

Helicopter Air-to-Air Value-Decision Engagement Model (HAVDEM)

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HAVDEM is a non-real-time engagement level simulation of helicopter air-to-air combat. It addresses the Army's need for an analysis tool that not only models helicopter hardware systems, but also models pilots' decisions about how those systems are used. Terrain utilization by the pilot decision logic is one of the primary objectives of the HAVDEM program. HAVDEM is useful in the analysis of the effects of proposed new systems or tactics on mission success. A version of HAVDEM has been adopted by the Joint Technical Coordinating Group (JTTCG) as its approved helicopter combat simulation.

IRIX version compatibility:

Illustration & Animation Consulting Services

David Poole
President
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Computer Putty is a consulting and production company concentrating in the areas of animation and special effects on the SGI platform. Areas of focus include emerging techniques in character animation, special effects and interactive authoring.

David Poole, principal, has an extensive background in professional video and audio production, computer graphics, 3d animation, digital video and interactive multimedia. He has an extensive background in a digital media education as well, having taught for Pratt Institute and served as Director for the Center for Creative Imaging.

Computer Putty consulting services are focused on education clients on the use of animation, special effects, digital video and multimedia technologies. Services range from applications consulting (software and hardware) to system integration and training.

IRIX version compatibility:

Services & Consultants

Interactive Television and Internet Services

Jeanne Friedman
VP, Mktg, Interactive
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Logica's Interactive Multimedia Group helps organizations achieve business advantage through the application of advanced digital media technologies to real-world business challenges associated with interactive marketing and commerce. Logica helps customers implement interactive multimedia systems for interactive television and the Internet, and across private networks. Logica's comprehensive skills in systems integration, content production and applications development help telecommunications, entertainment and media, retail, and financial organizations take full advantage of interactive multimedia technologies. Areas of focus include consulting (business, market, consumer, and technology), creative services, complex systems integration, interactive commerce and financial payment systems.

IRIX version compatibility:

Mansfield Enterprises

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us/~mansfield/
MEnterprizes

Mansfield Enterprises is a company dedicated to meeting your specific programming and design needs. Speciality areas include visualization using OpenGL, Motif, and Inventor, computational fluid dynamics, and architecture design for room additions and single family dwellings.

IRIX version compatibility:

Mission-critical Software Development

Andrew Nemec
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Epic Enterprises is a leading provider of expertise in database systems, distributed communication, object-oriented design and implementation, and system and network management. We build high-end mission-critical applications and systems that demand performance, reliability, interoperability, scalability, manageability, and extensibility in today's heterogeneous environments. Our engineers have 10+ years of industry experience in technologies such as CORBA, TIBCO Information Bus, Tivoli TME, DCE/DCOM, C++/Java, and leading commercial RDBMS. Since 1995, our clients have included leading hardware and software companies such as Silicon Graphics, Oracle, Sybase, PeopleSoft/Red Pepper Software, and Expressway Technologies.

In addition to developing architectures, integration specifications and project plans, we are capable of providing custom programming, database tuning, training, and the staffing for larger projects as necessary.

We are a member of SGI's developer's program, the IEEE and the ICCA. Our president is committed to sustainable living and green values, preserving the environment, and working toward environmental, social, and economic justice.

IRIX version compatibility:

Services & Consultants

PixelZoom

Chris Malley
Consultant
PixelZoom
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PixelZoom offers software design & development services on Silicon Graphics systems. In business since 1990, areas of expertise include:

- O2 guru
- 3D graphics (OpenGL, OpenInventor, IRIS Performer)
- digital audio, digital video (VL, AL)
- image/movie compression (dmIC)
- user interfaces (X/Motif, ViewKit, RapidApp)
- OO programming (C++)
- CD-ROMs and games (Mac/PC, Director, Photoshop)
- Web work (Cosmo, CGI, Perl)
- delivery on time, within budget

IRIX version compatibility: 5.3, 5.x, 6.x

Professional Services/Consulting

John Schofield
TRITECH Information
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TRITECH designs a team with senior expertise in specific disciplines for each client project from our staff and partnership alliances-which range from the overwhelming dominant professional services firms for Silicon Valley to outstanding boutique specialists and technology vendor-partners.

IRIX version compatibility:

Sirrus Recruiting Engine(sm)

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Sirrus Recruiting Engine, (formerly EarthCom's ResaNet System) enables organizations to publish information to prospective employees regarding company benefits, opportunities and corporate information. Sirrus Recruiting Engine also enables prospective employees to apply on-line using the World Wide Web. These applications are integrated into existing human resources management systems.

IRIX version compatibility:

Services & Consultants

Software Testing Service

David Dickson
Leader
ORTECH - Software Test
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ORTECH has built a dedicated software test facility where developers can evaluate their products in typical user environments before going to market.

The lab is located in ORTECH's main facility in the Sheridan Services & Technology Park, Mississauga. The lab is equipped with current hardware and software representing the major user platforms and network operating systems--UNIX, Windows, NT, OS/2, Novell, DOS and Macintosh. The lab is staffed with technical advisors who assist with set-up and evaluation of test results.

While the Lab will not "certify" products in the short term, future plans include providing IEEE/ISO certification and certification for member programs.

IRIX version compatibility:

Synergy (Smart Server) Software

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The Synergy Smart Server (software) is the latest technology in high speed automated data processing for the printing and pre press industries. Our Synergy Smart Server connect the Macintosh and PC world to high speed automation using Silicon Graphic UNIX workstations. The combination of SGI workstations and Synergy Smart Server provide speed and automation for OPI replacement and page compilation, dual-res postscript ripping, large store requirements, network print control, automated processing queues, optical networks control, digital proof interface, direct interface to CEPS systems and image setters.

IRIX version compatibility:

TRAXXManagement Series™

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Customer-Centric Information Systems - (Sales/Marketing and Customer/Product Support functions) - have to be integrated with the Distributon/Accounting functions to be truly effective in enabling an unfair competitive advantage. Sales need to be entered as orders, orders need to be shipped, shipments need to be billed, purchases need to be paid, spare parts need to be planned and controlled, contracts need to be renewed, customers need to be cared for by the entire enterprise. Distribution Series: Inventory, Order Processing/ Invoicing; Purchasing/Receiving/ Sales Analysis. Financial Series: General Ledger, Accounts Receivable, Accounts Payable, Payroll. Manufacturing Series: Kits, Bills of Materials, Manufacturing Resource Planning, Production Planning, Production Control.

IRIX version compatibility:

TRAXXSales™

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TRAXXSales™ is a robust and flexible application for all sizes of sales and marketing organizations to identify, track and maximize their opportunities. Administration: Unltd. User-Defined Screen: Multi-level, calculations, defaults, auto population, custom look-up tables, browsers/menus, resequencing of cursor, alpha, numeric fields, date, monetary fields; Remote-Host communications; database replication, and much more. Representative: Callback; Action Items; Timed Reminders; Account Remarks; Account Mgmt; Telemarketing; Field Sales; Lead Generation/Tracking; Quotations; Forecasting; Unlimited Contacts/Acct.; Unlimited Addresses/Acct.; Unlimited History; Call Notes; Calendar Management; Multiple, Partial-Field Queries (Relational Operators, Wild Card); etc. Manager: Call Metrics Reporting; Assign Leads, Activities; Messaging; Parent/Subsidiary; Projects. Marketing: Direct Mail; Campaigns (Scripting-Intelligent, Logical, Branching); List Management. Marketing Encyclopedia for product and competitive info. Sales Configuration for system definition and proposed generation.

IRIX version compatibility:

Services & Consultants

TRAXXSupport™

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TRAXXSupport™ is a powerful and flexible application for tracking and supporting a customer-user database for Technical Support, Help Desk, Product Defect Tracking or Field Service/Logistics. Administration: Queues; Remote-Host Communication; Database Replication; Unlimited User-Defined Screens (Multi-level, Calculations, Defaults, Auto population, Custom Look-up Tables, Browsers/Menus, Resequencing of Cursor, Alpha, Numerica Fields, Data, Monetary Fields); Fax Integration; Auto-Fill Fields; and much more. Users: Dynamically-Defined Key Word Searches on Long Text; Notification Alerts; Callback Management; Action Items Reminders; Multiple, Partial-Field Queries (Relational Operators, Wild Card). Managers: Escalation Alerts; Call Metrics Reporting; Contracts Mgmt.; Response Management (Scripting-Intelligent, Logical, Branching); Expert System Option.

IRIX version compatibility:

Training and Consulting Services

Sue Lindsey
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Getting you up and running as quickly as possible is the goal of our C++ Training and Consulting Services. We now offer training courses for Rogue Wave products. In addition to our popular Tools.h++ course, you can now sign up to learn more about Math.h++ and View.h++. We are also offering courses in C++ and Object-Oriented programming for both new and experienced programmers.

IRIX version compatibility:

VENUS

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Administration of heterogeneous Unix workstation clusters: Venus is an architecture for Unix clusters with administration tools which makes heterogeneous workstation cluster appear as homogeneous computing network with transparent usage of resources. For cluster administrators Venus offers efficient administration tools. User changes, distinguished software distribution and the integration of new clients are accomplished by simple commands. Users may log in on any workstation of the cluster with a networkwide valid password and directly access any authorized user and project data, no matter where these are physically saved.

IRIX version compatibility:

Services & Consultants

Visual Runtime Services

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CAD Computer Arts
Developments S.A.
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Computer Arts & Development offers visual system custom development runtime services for real time graphics, real time simulation and virtual reality applications, including database and texture creation, Iris Performer application development and visual system integration with the customer's real time numerical simulation application.

IRIX version compatibility: