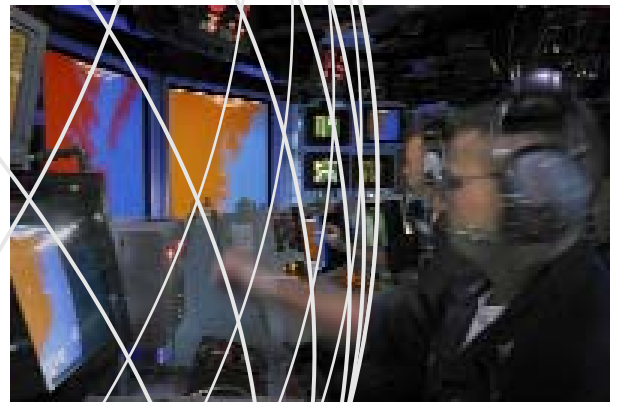




**CHASSIS  
PLANS®**

**Systems Engineered to Perform®**



**Your Source for Rugged Industrial-  
and Military-Grade Computers and  
LCD Displays**

# ***The Secret to Success for All of Your Ruggedized Computing Requirements?***

## ***. . . Start at The Original Source***

### **A True Partner in Your Design Process**

Everything that we do at Chassis Plans is driven by our customers' real-world requirements. Our approach is to be a true partner in your internal design process, from the ground up. We're not about selling from price lists - - instead we always focus on delivering complete solutions. You'll see the difference from the first conversation with a Chassis Plans Sales Engineer, where the starting point is never "What do you want to buy?" but rather "What are your application and technical requirements?"

### **Long-Life Availability Product Life Cycles**

Chassis Plans provides provides the industry's lowest total cost of ownership by offering the longest product life cycles of 5-7 years - minimum. The largest single cost in program deployment is product re-selection and re-testing when components go End-Of-Life. Chassis Plans' rugged computer systems and LCD keyboard displays are made in the USA and all offer 5-7 year minimum availability for life of program consistency. Custom chassis systems are guaranteed available for the program life regardless of the length of the contract.

### **Application-Proven Product Choices**

Whether you are designing a new rack-mounted system, upgrading current products, or need expert integration for in-house and/or third party components, Chassis Plans is your partner for application-proven solutions and custom configurations. Our combination of carefully selected sub-systems and custom-design capabilities gives customers the ability to pick and choose exactly the right solutions to meet their specific form, fit and functional requirements, without compromising on quality, reliability or performance.

### **System Solutions Engineered to Your Specifications**

As the original innovators in the industrial computer market, we also have the capability to independently engineer new systems as well as direct replacements or upgrades to existing system configurations, thereby assuring continued availability of equivalent products. Even if a prior vendor is no longer viable or available, Chassis Plans can rapidly recreate exactly the products that you had previously been purchasing and even improve them in the process

# Over 25 Years of Leadership



With over 25 years experience designing and manufacturing rack mount chassis & systems, the Chassis Plans team has set the standard for delivering custom computing solutions - - and we're continuing to raise the bar.



In 1985, driven by the same core team that later founded Chassis Plans, Industrial Computer Source revolutionized the industrial computer market by releasing the Sourcebook, which gave customers the ability to tailor custom computing choices to meet their needs.

At Chassis Plans, we've further expanded on our history of leadership in serving customer needs by providing both a complete range of configurable options and the ability to design full-custom chassis and systems from the ground up.

## The original industrial computer source - - and we're still delivering today!

**Configurability:** With a full complement of rugged rackmount enclosures (from 1U to 6U) and pre-qualified off-the-shelf Intel-based boards, LCDs, keyboards, and other components, Chassis Plans offers an extensive set of choices and options for quickly configuring systems for most applications.

**Customization:** When even our large inventory of off-the-shelf offerings doesn't provide the perfect fit, the Chassis Plans engineering team has the deep expertise to quickly design a full-custom alternative, tailored specifically to your unique application requirements.

**Competence:** With over 25 years of experience in computer design, manufacturing, and agency certification, our team already has the skills for creating ruggedized military, airborne and shipboard applications, Belcore NEBS compliant central office platforms, computer telephony systems, factory automation, fault tolerant platforms, multi-CPU systems, network appliances & servers, mobile systems, and other custom computing needs.



**Commitment:** Chassis Plans is proud of the quality of our products and is committed to world-class post-sale technical service and support. All integrated computer systems come standard with a two-year limited warranty against manufacturing and material defects.

**Quality:** Chassis Plans is certified to ISO 9001:2008, signifying that its quality management standards meet the rigorous industry requirements of the ISO Certifying body. Certification to ISO 9001:2008 reinforces to customers, through an independent third-party audit, that Chassis Plans operates a quality management system in accordance with the standard. Materials acquisition, system design and assembly, even packaging and shipment are included in our quality plan to assure you the highest quality and reliability.



# A Full Range of System Options

Chassis Plans offers a complete line of domestically manufactured high quality enclosures, rackmount LCDs, keyboards, and just about anything else needed to tailor ruggedized systems to your application requirements. As an Intel Product Dealer and Microsoft



Certified Partner, we can provide expert system definition and integration services, backed by experience in specifying the right system boards, power supply, drives, and other appropriate hardware.

Of course, if there is no off-the-shelf product to meet your needs, that's where our in-house custom design expertise comes into play - - by creating custom-tailored solutions for any requirement.

## Customization Expertise to “Bring it All Together”

Chassis Plans' highly trained Sales Engineers work closely with the customer team to help define each system based on the required functionality, cost, form factor, and performance. Our deep experience and resources allow us to quickly source and integrate motherboards, single board computers and backplanes, other components and operating system software into your chassis.



We have the tools, the knowledge, the facility and the expertise to provide you with turnkey systems that work right out-of-the-box.

All the prime military contractors depend on Chassis Plans' custom system expertise. Leverage our extensive library of existing designs to speed your custom chassis development for quicker and more reliable project completion.

## Designed to Meet Rugged Requirements

Because we design from the ground up to meet the most demanding requirements, Chassis Plans can provide complete system certification services for key national and international emissions and safety standards including:

**Safety:** UL 1950 / CSA C22.2-950 / IEC 60950 / EN 60950

**Emissions:** FCC Part 15, Subpart B, ICES-003 (Canada), EN 55022 / CISPR 22, EN 61000-3-2 - Harmonics, EN 61000-3-3 - Flicker

**Immunity:** EN 55024 / CISPR 24, IEC 61000-4-2 - ESD, IEC 61000-4-3 - Radiated RF, IEC 61000-4-4 - EFT, IEC 61000-4-5 - Surge, IEC 61000-4-6 - RF Conducted, IEC 61000-4-11 - Voltage dips, interrupts & variations

**NEBS:** Levels 1, 2 or 3

**Certification Marks:** UL, C-UL, CE, and NEBS.

**Mil-spec:** Including 810G (environmental), 901D (shock) and 167 (vibration)

## Complete Integration and Testing Services

Our experienced integration team assembles all specified components into a well-organized and reliable system. Component placement and cabling is carefully controlled to optimize air flow and cooling efficiency.

All component handling and assembly is in a tightly controlled static-free environment.



Each system is burned in and tested using diagnostic software to assure full system functionality. Application-specific test software is used as required. All test results along with serial numbers are documented for full traceability.

***“Chassis Plans is a true turnkey partner. They started by asking ‘what’s your application’ and then tailored all of the system elements, integration and testing to meet our specific requirements.”***

-- Joe Downing  
Manager of Systems  
Administration Group  
CALCULEX, Inc.



# More About Chassis Plans:

## Company History

Chassis Plans is a leading provider of ruggedized computer enclosures, rackmount keyboards and displays, and integrated systems for OEMs and Value Added Resellers in the military, industrial control and automation industries.

Founded in 1997, Chassis Plans is driven by the core team that previously cofounded Industrial Computer Source in 1985 and was instrumental in growing that company to over \$100M in sales. This same team brings to Chassis Plans over 25 years of high quality design and manufacturing experience in creating advanced ruggedized computer systems.

By combining concept, design, prototyping, production, integration, and certification to provide unique turnkey computing solutions, Chassis Plans serves demanding markets such as military command and control, oil refining, automation control, Internet infrastructure, computer telephony, simulation, and banking.

## Design Philosophy

Chassis Plans has developed a wide range of standard and custom products. From the engineering team to the Sales Engineers, Chassis Plans' staff prides itself on a commitment to quality and integrity. Our uniquely qualified team is pleased to provide a single source turnkey solution for custom chassis design, quality fabrication, system integration and program management.

## Contact Information

**Chassis Plans**  
*Systems Engineered to Perform*®  
10123 Carroll Canyon Rd.  
San Diego, CA 92131

Tel: (858) 571 4330

Fax (858) 571 6146

Web: [www.Chassis-Plans.com](http://www.Chassis-Plans.com)

Email: [saleseng@chassisplans.com](mailto:saleseng@chassisplans.com)

