Trident infosol

...Transformational Technologies

PRODUCT BROCHURE

COMPANY OVERVIEW

Trident Infosol is a AS9100D Certified Company, providing leading edge solutions on Embedded COTS Hardware, Signal Processing Systems, Telemetry Systems and Engineering Software catering to the Real-Time applications. We offer solutions for a wide range of application serving the Aerospace, Defence, Research & Development, Automotive, Telecommunications, Medical and Industrial segments. Trident represents reputed global OEMs in its endeavour to provide best-inclass products to its ever growing list of clients.

Trident has been consistently at the forefront of introducing the latest cutting edge technologies across a wide spectrum of products. Our strong technical background in Development, Integration and Deployment of solutions for challenging real-world applications coupled with our ability to provide complete end-to-end solutions for complete product development life-cycle with extensive application support, which being the key benefit and differentiator. Our approach towards optimized and fully integrated solutions has helped us develop a unique competence to fulfill our customers' requirement specifications, which helps our customers to deploy their systems faster.

VISION

"To emerge as the most preferred technological partner and be a potential business associate in the field of Strategic Electronics and Avionics for Defense and private sector companies by providing cost effective, competitive and customized solutions for Electro Mechanical application on an integrated approach and turnkey philosophy."

MISSION

- To be a major supplier of Strategic Electro Mechanical and Avionic system for Global Military and Aerospace Industry.
- To develop cutting edge and end to end solution by innovative design and development.
- To be active partner in system level solutions for Defense, Aerospace and Industrial applications there by adding value to all stake holders".

WHY WE MATTER

The Trident group offers a Single Source for all your development needs related to Software, Hardware, Design Services and Fully Integrated Systems for a range of Applications. We are an End-to-End Solution provider catering to your complete product development life- cycle right from concept design to final acceptance test and beyond - meeting customer requirement specifications and standards, assuring continued product support. While bringing affordability for you with our cost-effective solutions, reuse of existing design for customization, flexibility to work on limited volume production, we also support your short development cycles with reduced risk ensuring faster time-to-market. The combination of our superior Technology and Engineering expertise along with our wide array of product and service offerings make us a unique technology partner.

INFRASTRUCTURE & FACILITIES

We have an integrated state-of-the-art Design, Development, Manufacturing and Testing facilities with extensive work-floor spanning over 35,000 sq. ft. Our sophisticated infrastructure is coupled with an array of advanced workstations, robust design & development tools (3D CAD, Structural & Thermal Analysis, Cabling, PCB and System Design), cutting-edge computing and network systems. This provides an ideal and excellent environment for our skilled professionals to support large and mission critical applications of various customers.

The sprawling Integration Labs help us combine our efforts in delivering fully integrated systems to our customers for their specific application requirements. Our advanced testing facilities include Set-up for PCB Inspection and Backplane Testing (SerDes), Power Supply Testing, Drip Test, Vibration & Shock Test, Thermal and Humidity Chamber (-70°C to +180°C).

With Design, Engineering, Manufacturing, Integration, Testing, Configuration Management, Project Management, Quality Assurance, Technical Support Services and Sales Teams under one roof, we provide expert services to all our customers enabling them to focus on their product/system development through its entire life-cycle. Alligator has evolved and continuously improved on project management processes and quality management system culminating into an AS9100D certified company.

WHAT WE DO

Recognizing the technological and economic challenges faced by the customers in today's competitive market place, we offer range of products, solutions and system integration services for various applications meeting demanding environmental conditions.

Conceptual Design → Product Design and Simulation → Prototyping and Testing → System Integration → Qualifications and Testing → System Deployment

OFFERINGS AT A GLANCE

Conceptual Design

• Requirement Capture • Requirement Traceability Tools	• Modeling • CFD Analysis • Mathematical Computation • Analog/Mixed Signal Simulation tool chains	• Reliability Analysis • Static & Dynamic Analysis

Product Design & Simulation

• Embedded Code Development & Debug • Safety Critical RTOS	• Graphical Environment • OpenGL Libraries - SC & ES	• RADAR Video Processing,Scan Conversion& Display Presentation • Tracking Solutions • ECDIS Solutions

Prototyping & Validation

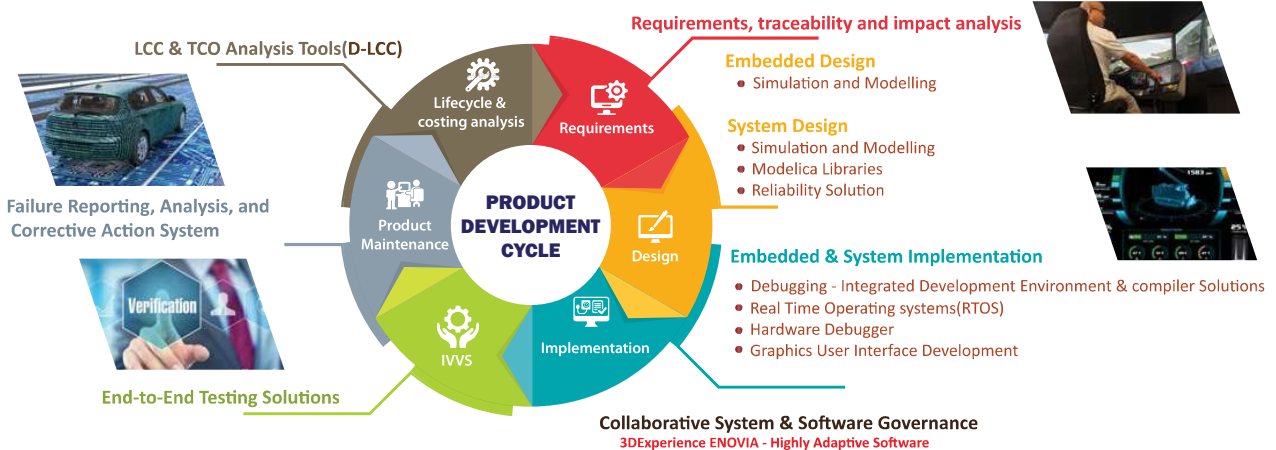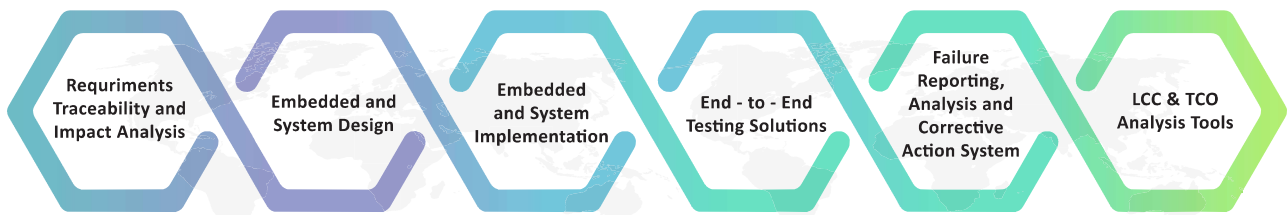| COTS (Open System Architecture)	COTS (Open System Architecture)	Integrated Telemetry
• SBC, I/Os, Video & Graphics • Avionics & Communications Interfaces • Signal Processing • Multicore Multiprocessor Boards • FPGA, GPGPU, IF & RF Processing • Stand-alone (Small Form Factor)	• Rugged - Servers, NAS • Ethernet Switch • Data Recorders & Playback • Rugged Enclosures • Backplanes • Power Supply Units • Mass Storage • Rugged Displays & Display Computers	• Ground Systems • Onboard Systems • HILS

Integrated System Deployment

Systems & Sub-systems

- Rugged Racks
- Display Consoles
- SFF Computers & OSA Systems

ENGINEERING SOFTWARE

Today Software is the key driver for all embedded systems. Trident Infosol offers a tightly integrated system development tool chain starting from requirement capture to integrated development environment, Compilers, Communication Middleware and more. In addition, there are a host of specialized tools for circuit simulation, Reliability Engineering, and Advanced tools for engineering complex control systems and HMI Development for Mission and safety critical application.Our comprehensive Engineering software tools cover all key concerns for designers of critical systems including standards compliance, verification and validation, and design tradeoffs. Our design and development tools help engineers working with mission and safety critical systems in varied fields like automotive, aerospace, military and medical.

Connect with us to reduce your time-to-market by leveraging our end-to-end embedded engineering software offerings:

| Requriments Traceability and Impact Analysis | Embedded and System Design | Embedded and System Implementation | End - to - End Testing Solutions | Failure Reporting, Analysis and Corrective Action System | LCC & TCO Analysis Tools |

LCC & TCO Analysis Tools(D-LCC)

Failure Reporting, Analysis, and Corrective Action System

End-to-End Testing Solutions

Lifecycle & costing analysis

Product Maintenance

IVVS

Requirements

Design

Implementation

PRODUCT DEVELOPMENT CYCLE

Requirements, traceability and impact analysis

Embedded Design
- Simulation and Modelling

System Design
- Simulation and Modelling
- Modelica Libraries
- Reliability Solution

Embedded & System Implementation
- Debugging - Integrated Development Environment & compiler Solutions
- Real Time Operating systems(RTOS)
- Hardware Debugger
- Graphics User Interface Development

Collaborative System & Software Governance
3DExperience ENOVIA - Highly Adaptive Software

VALUE PROPOSITION

END TO END TECHNOLOGY OFFERINGS

With partnership with world leading technology developers, we are a one stop technology provider across your embedded software and engineering systems development life cycle.

DOMAIN EXPERTISE IN DIVERSE INDUSTRIES

We have strong experience in providing solutions and services to diverse industries like aerospace, defense, automotive, atomic and more.

ADHERENCE TO INDUSTRY SPECIFIC SAFETY AND SECURITY STANDARDS

All our technology offering adheres to industry specific safety & security standards ensuring absolute reliability of critical applications.

## UNMATCHED CUSTOMER SERVICE, PRODUCT SUPPORT AND TRAINING

With more than a decade of experience in serving our customers, our customer service and product support capabilities are unmatched in the industry. Our people put in whatever work is required, whenever needed to keep our customers happy.

REQUIREMENT CAPTURE, TRACEABILITY SOLUTION & DESIGN MANAGEMENT

Trident Infosol offers user friendly application for managing requirement traceability and impact analysis across different systems, programs and project levels across the entire hardware and software development lifecycle.

The application provides connectors to a wide range of engineering tools to ensure easy integration into your existing engineering process.
- Interactive application for managing requirements.
- Enables traceability and impact analysis across the entire hardware and software development lifecycle of a project.
- Automatically extracts data created by your current suite of tools.
- Manage your requirement engineering process and to ensure compliance with standards such as ISO61508, ISO26262, Spice, DO178C, DO258, FDA, GAMP, CMMI and many more.
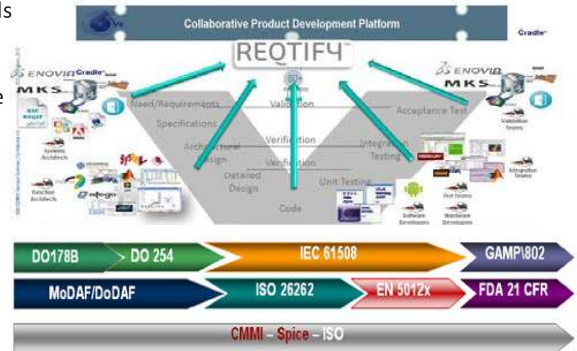
REQUIREMENTS-IN-LOOP

Our **Requirements-in-loop solution** allows you to debug a requirement specification in the same way you would debug a piece of code, more easily in fact.

The tool helps you identify conflicts, missing requirements, ambiguities, semantics and many more very early in the requirements specification sttage.

Key features

- End-to-end Requirement-based Validation Solution
- Software-In-The-Loop Validation
- Simulate System behaviour based on the requirement specifications.
- Consider requirements and state-machines as constraints imposed on the specified system behaviour.
- Use Cases are defined as a set of constraints on the inputs.

It is known that **70%** of the errors introduced during an embedded system development project are introduced during the specification phase, whereas only **4%** of the errors are discovered during this phase.

SYSTEM MODELLER

Systems Modeler ™ is an cross-platform collaborative Model-Based Systems Engineering (MBSE) environment, which provides smart, robust, and intuitive tools to define, track, and visualize all aspects of systems in the most standard-compliant SysML models and diagrams. The environment enables systems engineers to:
- Run engineering analysis for design decisions evaluation and requirements verification
- Continuously check model consistency
- Track design progress with metrics

System models can be managed in remote repositories, stored as standard XMI files, or published to documents, images, and web views to address different stakeholder concerns.
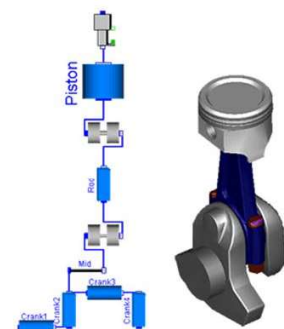
SYSTEM DESIGN

MULTI-ENGINEERING MODELING & SIMULATION

We offer a complete tool for Modeling and Simulation of integrated and complex systems for use within Automotive, Aerospace, Robotics and other applications, with advantages including: Multi-engineering, Intuitive Modeling, Modelica – object oriented modeling language, Open libraries, Symbolic manipulation, animation and comprehensive model libraries.

Our creator suite offers the most advanced Modelica-based mathematical engine on the market.

MODELICA LIBRARIES

Air Conditioning Library	Environmental Control Library	Engine Dynamics Library	Fuel System Library	Heat Exchanger Library	Hydraulics Library	Electric Power Library
Hydro Power Library	Jet Propulsion Library	Liquid Cooling Library	Vehicle Dynamics Library	Thermal Power Library	Vapor Cycle Library	Fuel Cell Library

OPTIMICA COMPILER TOOLKIT

OPTIMICA Compiler Toolkit, offers users a powerful solution for the automating, simulation and optimization of system behaviors throughout the model-based design cycle. OPTIMICA enables users to build multidomain physical systems by choosing from thousands of available model components.

FMI TOOLBOX

Supports all major workflows in control system development and system integration for virtual prototyping, from design and sizing to optimization and MIL/SIL/HIL validation & verification testing in MATLAB/Simulink. Integrate simulation models from more than 100 tools into your Simulink workflow.

The additional FMI Toolbox Coder Add-on provides extensive support enabling users to export FMUs from Simulink and import FMUs to a Simulink Coder target.

FMI ADD-IN for EXCEL

Combine the visualization and data management capabilities of Microsoft Excel with multicore simulations from FMI Add-In! FMI Add-In, a plugin for Microsoft Excel, is a powerful simulation software tool that enables users to import and simulate Functional Mock-up Units (FMUs) in a spreadsheet environment.

ELECTROMAGNETIC SIMULATION

Our Software is a specialist tool for the 3D EM simulation of high frequency components. The unparalleled performance makes it the first choice in leading R&D departments.
- Enables fast and accurate analysis of high frequency (HF) devices such as antennas, filters, couplers, planar and multi-layer structures and SI and EMC effects.
- Exceptionally user friendly,
- Quickly gives you an insight into the EM behavior of your high frequency designs.

Analysis with EM software ranges from individual components such as antennas, sensors and chips up to entire devices, including aircraft, smartphones and MRI.
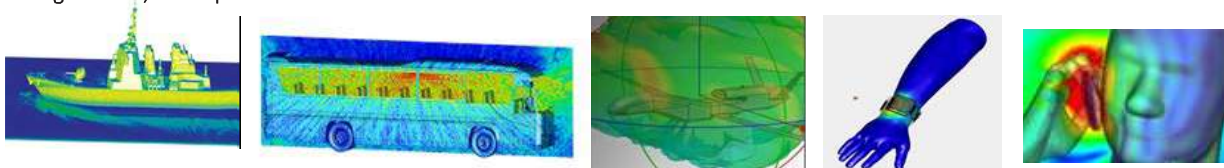
RELIABILITY, AVAILABILITY, MAINTAINABILITY & SAFETY (RAMS) SOLUTION

Our software suite consists of a set of integrated tools covering Reliability prediction, Availability, Maintainability Analysis, Safety Assessment, Quality, Management, Safety Management, Industrial Process Control.

- MTBF - Mean Time Between Failure Calculation
- Failure Rate Calculation
- MTTR - Mean Time To Repair / Restore Calculation
- Derating Analysis, Markov Analysis & Weibull Analysis
- Reliability Allocation
- RBD - Reliability Block Diagram
- Availability Calculation
- FMEA Failure Mode Effect Analysis (Design & Process)
- FMECA - Failure Mode Effect and Criticality Analysis
- FTA Fault Tree Analysis & Common Cause Failure Analysis
- ETA Event Tree Analysis
- SPO Spare Parts Analysis & Optimization
- MSG - Maintenance Steering Group & Reliability Centered Maintenance
- Reliability Growth Analysis
- Safety Assessment, Spare Parts optimization, Derating, FMECA and Testability Analysis and more
- Safety Analysis

Pareto analysis (by item type)
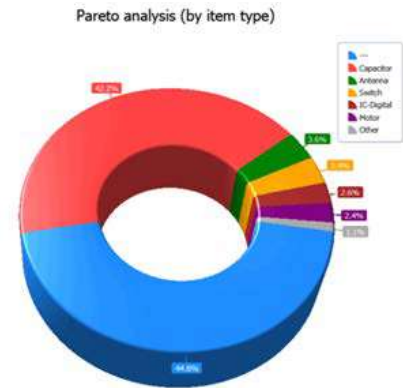
As part of the safety assessment, we provide comprehensive Safety Database, which complies with safety standards such as SAE APR4761, SAE 4754A, FAR/CS 25.1309, MIL-STD-882, IEC EN 61508, EN 50126-129 and others.

- . PHA- Preliminary Hazard Assessment
- . FHA -Functional Hazard Assessment

SSA-System Safety Assessment
- . SHA System Hazard Analysis

Safety Integrity Level
- . Probability of Failure on Demand (PFD)
- . Probability of Failure per Hour (PFH)

EMBEDDED DESIGN, DEVELOPMENT AND DEBUGGING SOLUTION

Software plays a vital role in all Embedded systems. It's important to choose right Embedded tools, right from development to deployment of safety mission critical systems.

RTOS (REAL-TIME OPERATING SYSTEM)

RTOS was designed so that embedded developers could ensure their applications met the highest possible requirements for security, reliability, and performance.

Our RTOS is built around an advanced partitioning architecture to provide embedded systems with total reliability, absolute security, and optimum deterministic real-time response.

Integrated middleware and platforms:
We offer an extensive array of middleware integrated, including:
- FFS, FAT, NFS, and journaling file systems
- IPv4/IPv6 host and routing networking stacks
- FIPS 140-2 certified Suite B enabled embedded encryption library
- Advanced Layer 3 routing protocols
- web services: HTTPS, SOAP, AJAX, JSON, XML
- Wi-Fi support: WPA2, Bluetooth, 3G
- USB host stack, device stack and class drivers
- 2d, 3D, and OpenGL graphics

Platform Support

- Automotive
- Avionics
- Industrial safety
- Medical devices
- Secure IoT
- Secure networking
- Software defined radio
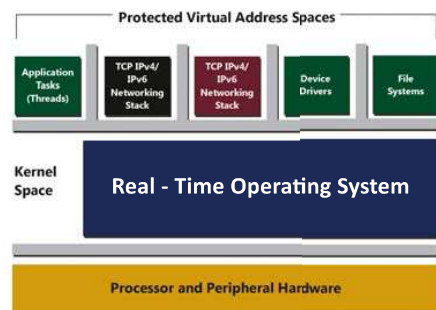
Our Hypervisor is the industry's most powerful, reliable, and flexible embedded virtualization solution. The platform can host arbitrary guest operating systems alongside a comprehensive suite of real-time applications and middleware.
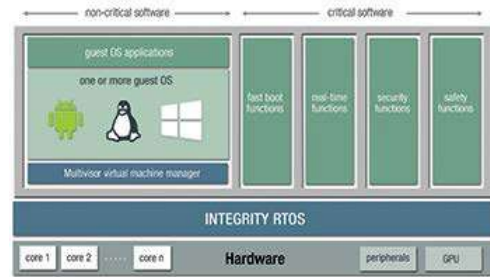
COMPILERS

The pace of microprocessor innovation continues to accelerate, application developers can rely on compiler to unlock hardware's full potential and realize maximum performance and functional safety in their next generation applications.

Our Optimizing Compilers have led the embedded industry by generating the fastest, smallest, and most reliable code.
- Maximize performance – Generate faster, smaller code
- Various languages support – C/C++, Ada, Embedded C++, GNU C/C++ extensions
- Find bugs automatically – Integrated Static Analyzer
- Ensure safety & security - certified to meet the highest levels of tool qualification and C/C++ runtime certification
- Lower production cost, faster time-to-market
- Broad processor support - All major 32 and 64-bit architectures are supported.

EMBEDDED SOFTWARE DEVELOPMENT TOOLS

Quickly develop, thoroughly debug, completely test, and fully optimize embedded and real-time applications. Whether pinpointing a hard-to-find bug, resolving a memory leak, or maximizing system performance - our IDEs consistently work.

- Find and fix bugs faster
- Boost productivity
- Easily debug process start-up code
- Pinpoint performance bottlenecks
- Debug embedded Linux
- Handle breakpoints with minimum performance cost
- Multicore Debugging
- Functional safety confidence
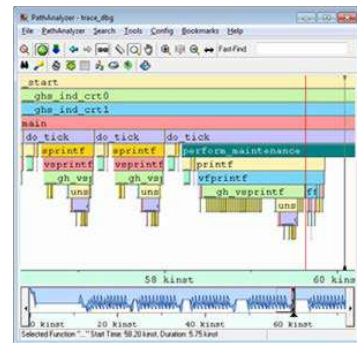
Operating systems support - INTEGRITY RTOS, μ-velOSity RTOS, Linux, ThreadX, VxWorks, OSE, Windows, Solaris

UNIVERSAL DEBUG PROBES

The Probe/Emulator is an advanced hardware debug device that connects to the onboard debug ports present on most modern microprocessors, such as IEEE 1149.1 JTAG and BDM.

If you are in need of an embedded software development platform that does more than just debugging, then our family of hardware Probes and Trace tools are the hardware you are looking for. Fully integrated into our IDEs, these hardware tools provide the link between your chosen microcontroller platform's on-chip debug implementation and your development PC.
- 100+ MHz sustained JTAG TCK rates
- 10+ MB/second sustained download speeds
- Gigabit Ethernet
- Captures up to 4 GB of trace data, enabling analysis of hundreds of millions of instructions
- Collects trace data at core clock rates up to 1.2 GHz and trace port speeds over 300 MHz

Our Probes support more than one thousand devices from over thirty manufacturers, covering most of 8, 16, 32 and 64 bit Processors.

CAN/CAN-FD/LIN

The relationship between system buses and embedded software execution is becoming more relevant during development, and system integration and testing. To bridge this, the CAN/-CAN-FD and LIN bus network data can be captured and displayed in parallel to the microcontroller code execution domain.

PARALLEL DEBUGGING

Complexity seemingly knows no bounds - and neither do we, as embedded developers, on a daily basis. Our Advanced Solution offering includes FBridge ports to run/stop control of two or more parallel Hardware Probes for your Processors' synchronization.

You can combine our CAN/LIN data capture, analog and digital capture and control, and debug and trace via our Active Probes, all from one central hardware tool

ADVANCED TIMING ANALYSIS

Tool-Suite providing an environment with a unique selection of powerful tools, covering simulation, worst-case analysis, automated optimization, and comprehensive visualization and analysis of traces.

Our Tool-Suite analyses the Trace information recorded by the **iSYSTEM, Lauterbach** and similar Debuggers, with all MCU and CAN bus traces visualized against a common time base. One can use it to identify event chains, to calculate statistics of run time values and other timing parameters, as well as to check compliance with predefined timing requirements.

Our Software tool offers all you need to master real-time systems development.

When Timing Matters!

AUTOSAR

The need to develop and reuse embedded systems across vehicle platforms, models and variants demands new ways of developing and delivering these complex systems.

The **AUTOSAR** standard serves as a platform for implementing embedded systems in a way that greatly simplifies their development and reuse.

We offer an open and extensible Eclipse-based Software suite for the design and development of AUTOSAR-compliant systems and software.
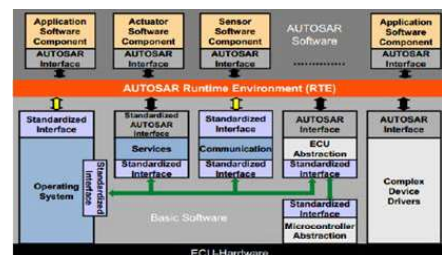
SAFETY AND CRITICAL CERTIFICATIONS

Our Solutions have received a number of certifications and accreditations that testify to its leadership pedigree and also enable developers to achieve the highest levels of safety, security, and reliability in their designs:

- ISO 26262 ASIL D automotive electronics
- NSA-certified secure mobile phones
- FAA DO-178B Level A-certified avionics controlling life-critical functions on passenger and military aircraft
- FDA Class III life-critical medical devices
- EN 50128 SWSIL 4-certified railway control and protection systems
- IEC-61508 SIL3-certified industrial control systems

UI DEVELOPMENT SOFTWARE AND DRIVERS FOR EMBEDDED APPLICATIONS

We offer software tools for the development of GUI software that deliver high-fidelity, feature-rich 2D and 3D graphical interfaces and 3D virtual training solutions for simulators and embedded systems.

- Code Gen eration Options
    - C++ Code Generator
    - Java Code Generator
    - Safety critical Embedded C++ Code Generator

One tool that takes the developer from prototyping, to testing, to embedded system deployment through a single code base. Allows for the development of real-time moving map display applications. It provides the capability to combine multiple geo-referenced map imagery formats and user defined symbology across multiple layers to produce a single real-time 2D map view.

RSO bundles: pre-built reusable software objects (RSOs) include the appearance and behavior of the object coupled with a well defined interface. Readily available Instruments & Gauges for various industries such as Automotive, Aerospace, Industrial, Medical, Transportation etc.
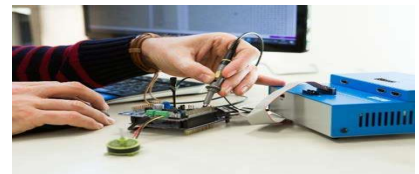
SAFETY CERTIFIABLE GRAPHICS LIBRARIES

- Graphics Processors
- Embedded OpenGL Drivers
- Embedded Video Drivers

- GPU Hypervisor
- COTS-D DO-254/DO-178D Saftey Critical Certifiable Solutions

VERIFICATION AND VALIDATION

ON-TARGET UNIT TESTING

Regular testing of application code, especially reusable software modules, is simplified with our unique testing solution. Making use of the debug interface to the microcontroller, tests are executed 'on-target', allowing potential issues with tool chain and microcontroller configuration to be factored into the test results.

AUTOMATED SOFTWARE TESTING & APPLICATION SECURITY

- Static Analysis
- Unit Testing
- Code Coverage and Traceability
- Functional Test Automation
- Service Virtualization
- Load, Performance, and Security Testing
- Reporting & Analytics

STATIC ANALYSIS

We offer Software Suite for unified C and C++ development testing for enterprise and embedded applications, testing Java and .NET applications.
- Unit & Integration Testing
- Functional Safety & Compliance
- Security Testing

RUNTIME ANALYSIS

The ultimate memory debugger for C and C++. Our Software helps you find the nasty defects that have been plaguing you for weeks. Identify sporadic memory corruption defects that cause system crashes and expose security vulnerabilities in the field but are impossible to find during normal testing.
- Memory Debugging
- Total Coverage
- Dynamic Memory Visualization

LOAD, PERFORMANCE & SECURITY TESTING

Automated end-to-end API testing, load & performance testing, security testing, and integrated service virtualization, our efficient test automation Software helps you mitigate the risk of accelerated delivery.

VIRTUALIZATION

It gives you the ability to create, deploy, and manage simulated dev/test environments while reducing the constraints that arise from inadequate test data. Unlike other service virtualization solutions, our Solution can create realistic simulations by monitoring existing behavior, enabling users with limited expertise to quickly create reliable test environments.

CONTINUOUS TESTING PLATFORM

Our Testing Platform allows users to create test cases, virtual services, and test data and these can then be combined into powerful environment templates, which can be deployed on-demand using the Continuous Testing Platform's environment manager.
- Test Environment Management
- Test Data Assistance
- Virtual Asset Management
- Test Orchestration
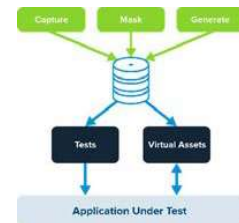
ADVANCED ANALYTICS AND REPORTING

Intelligent Analytics - The smartest way to assess the quality and risk of your software development process.

Understand the impact of changes in your codebase and provide actionable insights to the team to ensure the delivery of high-quality software.

REAL TIME SIMULATION AND TESTING

Trident Infosol offers products that help to continuously verify and validate their designs along a complete Model-Based Design workflow including requirements specification, simulation , rapid control prototyping, hardware-in-the-loop (HIL) simulation, and deployment.

- A real-time target machine
- I/O modules
- Communications protocols support
- Simulink programmable FPGAs

REAL-TIME TARGET MACHINES

TWe support a range of high performance multicore, multi CPU target computers (target machines) with i3 and i7 CPUs up to 4.2 GHz, and up to 20 cores. Each is optimized for a different application area, from mobile controller prototyping (RCP) to multitarget rack systems for Hardware-in-the-Loop (HIL).

We also offer complete rack systems with multiple interconnected equipment such as real-tie target machines, uninterruptible power supplies, inverters and power amplifiers.

| Performance real-time target machine | Mobile real-time target machine | Baseline real-time target machine | Education real-time target machine | Audio real-time target machine |

I/O CONNECTIVITY

The system offers a vast range of I/O connectivity options to connect your real-time target machine with your hardware for real-time simulation and testing. 150+ fixed-functionality I/O modules are available, as well many multifunctional, Simulink programmable FPGAs which can be used for FPGA code modules


COMMUNICATIONS PROTOCOLS

To communicate with your devices, the system supports a wide range of industrial protocols with dedicated I/O modules and FPGA code modules running on Simulink programmable FPGAs.

- Aerospace (e.g. ARINC, AFDX, MIL-STD-1553, SDLC/HDLC)
- Automotive (e.g. FlexRay, LIN, CAN FD, CAN, J1939, XCP, SENT)
- Industrial automation (e.g. PROFIBUS, PROFINET, EtherCAT, Modbus, POWERLINK, EtherNet/IP)
- Multi-industry (e.g. Aurora, real-time UDP, SPI, I2C, RS-485, PTP, IRIG with GPS)

FPGA TECHNOLOGY

Controls, signal processing, vision, and plant-simulation applications designed with Simulink® frequently require high frequency acquisition and signal generation support of analog and digital data using ADCs and DACs, I/O connectivity, fiber-optic transceivers as well as high speed protocols. This FPGA Technology provides high frequency I/O connectivity, communication protocols and closed-loop rates up to 10 MHz.
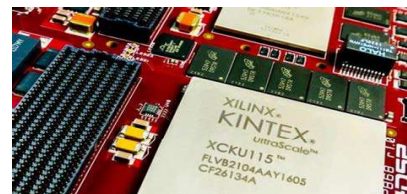
BATTERY MANAGEMENT SYSTEMS

We offer a range of real-time solutions for the measurement and emulation of batteries for rapid control prototyping or hardware in-the-loop testing. You can quickly connect your hardware with complex electrical motor, battery pack or drivetrain Simscape models. Typical applications include rapid control prototyping of battery management systems (BMS) for fully-electric cars, hardware in-the-loop testing of airplane battery packs, and automated testing of battery control modules.

BMS Features:

- scalable battery emulation with charge and discharge support
- high-impedance voltage measurement
- seamless integration with Simulink Real-Time and Simscape
- Can source current to emulate portable battery power supplies, emulate battery stacks for electric vehicles or sink current to simulate batteries under charge.

PRODUCT MAINTENANCE

FRACAS

Our web based and user configurable Failure Reporting, Analysis and Corrective Action System (FRACAS) that captures information about equipment or a process throughout its life cycle, from design, production testing, and customers support.

FRACAS application can seamlessly communicate with any given ERP system (SAP, ORACLE, MFGpro, etc.), while providing a user friendly, flexible yet robust failure management, analysis and corrective action platform.
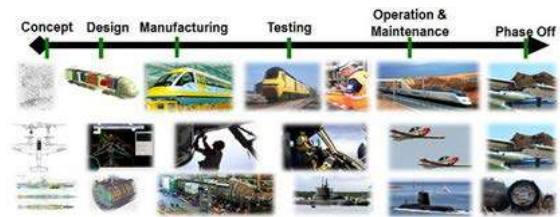
LIFE CYCLE AND COSTING ANALYSIS

Life Cycle Cost (LCC) analysis and Total Cost of Ownership evaluating are the basis for decision making for the wide range of industries and equipment. LCC analyzes the total ownership costs of various design alternatives and system's components over the projected life cycle of a system.
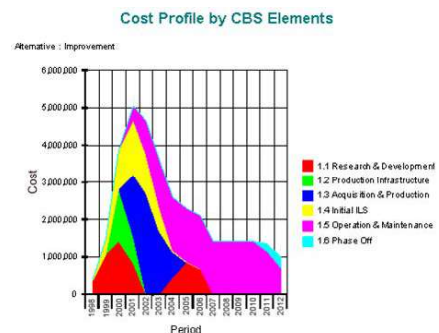
TEST & MEASUREMENT

POWER SUPPLY DC & LOADS

DC Power Supplies
Laboratory power supplies for bench-top or remote control and system use.

Electronic Loads
Flexible electronic DC loads for general purpose applications.

WAVEFORM GENERATORS

Function Generators
Analogue and Digital (DDS) function generators with frequencies up to 160MHz.

Pulse Generators
Dedicated pulse generators and function generators with true pulse capability.

PRECISION MEASUREMENT

Multimeters
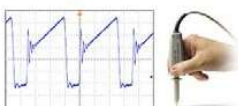Flexible electronic DC loads for general purpose applications.

Frequency Counters
Handheld and bench - top frequency counters up to 6GHz.

LCR Measurement
Precision component measurements

Current Probes
Innovative DC to 5MHz current probes for PCB tracks, component legs etc.

RF & EMC TEST EQUIPMENT

Spectrum Analyzers
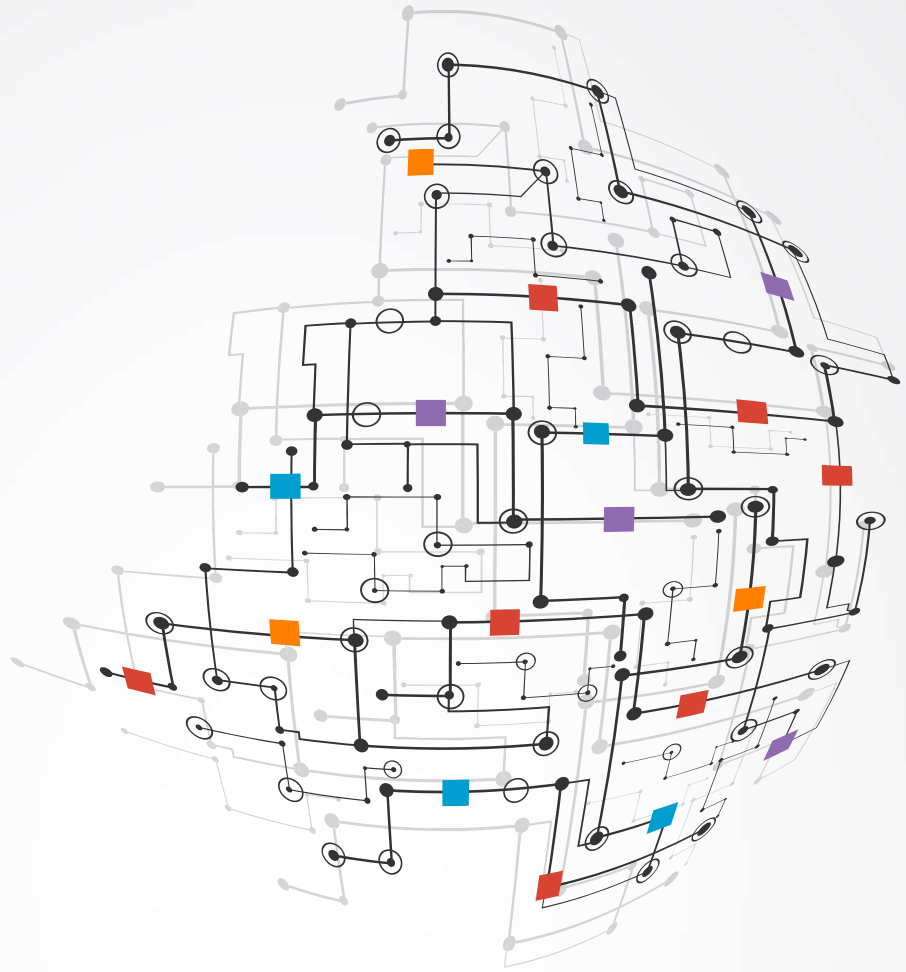Low cost handheld RF spectrum analyzers with bandwidths up to 6GHz.

RF Signal Generators
RF signal generators with frequency capability up to 6.0GHz.

EMC Analyzers
For EMC measurements to EN61000-3-2 and EN61000-3-3.

Notes

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