



Company Profile



About Us

Most companies today have some level of IT automation to boost productivity in service, manufacturing or any other core functionality of the company. However, after initial productivity gains, growth seems to plateau. Companies continue to rely on manual processes to feed data, generate validation reports, manually validate inventory and build additional systems to make disparate systems work together. With expertise encompassing hardware and software, Trinity is uniquely poised to develop integrated systems for seamless data flow.

Our team is expert in software development, design methods, and management of technically sophisticated software development projects. We are constantly involved in challenging real-time applications like communications, fault-tolerant systems and mission critical applications. All our development projects have been successfully completed on time and on budget. We are best in providing efficient low cost solutions for industries.

Our area of expertise is real-time software applications like SCADA and process control. We mainly work in Microsoft Visual Studio(6.0,.NET) or we have good hands on embedded Linux and Windows CE for embedded system programming and mobile software development. All development projects are completed to the highest standards and follow standard methodologies.

Trinity Systems provides maintenance support and project services for SCADA / EMS systems to all kind of Industry. Utilizing the expertise of Trinity within your business will provide you with cost effective, on-site support for control center SCADA and EMS as well as access to local backup support. In addition, Trinity can provide project services for extensions to system capabilities, or new developments in these areas. Trinity maintenance support and project services are tailored to match the specific requirements of each client.





Customized Solution

Trinity works closely with you to understand your requirements and design a solution tailored to meet your needs, Trinity also try to find what will be your future need and based on that we design our solutions. Our solutions are scalable and our approach is modular. From small standalone sites to large scale applications, we have the architectural and technical skills to design a solution to fulfill your needs. Trinity also provides solution to interface your SCADA or other customized solution with your existing ERP systems. Trinity provides solutions for Windows application as well as Windows mobile application.

EMS: Energy Management Solutions

Continuous monitoring of the power supply and condition monitoring is an integral part of any proactive management program. It provides data for determining the loading of existing transformers and backup supplies and for planning future expansion. The data is useful in determining whether investment is being spent in the most appropriate areas. Key personnel must be alerted immediately when a power problem is detected by issuing alarms or by sending messages to mobile phones (SMS), E-Mails or PC screens. Appropriate reports are generated automatically for periodic bases. Continuous monitoring provides the data to perform a post-mortem on disruptive power disturbance incidents. This data is needed to determine how and where events were caused, leading to an understanding of how they may be avoided in the future.





SCADA Applications

Trinity has developed its own SCADA platform. This Supervisory Control and Data Acquisition (SCADA) platform includes electronic hardware, embedded controllers, embedded Single Board Computers(SBC), user interface (HMI), communication equipment, network devices and software for monitoring systems in real time. System reads data from various sensors at a factory, plant or in other remote locations and then sends this data to a central computer which then manages and controls the data.

Applications:

- ✍ Machine Control
- ✍ Energy Monitoring
- ✍ Plant Supervision
- ✍ Environmental Control Systems
- ✍ Water Management Systems
- ✍ Signals data from remote geographically located RTU's and other control devices.



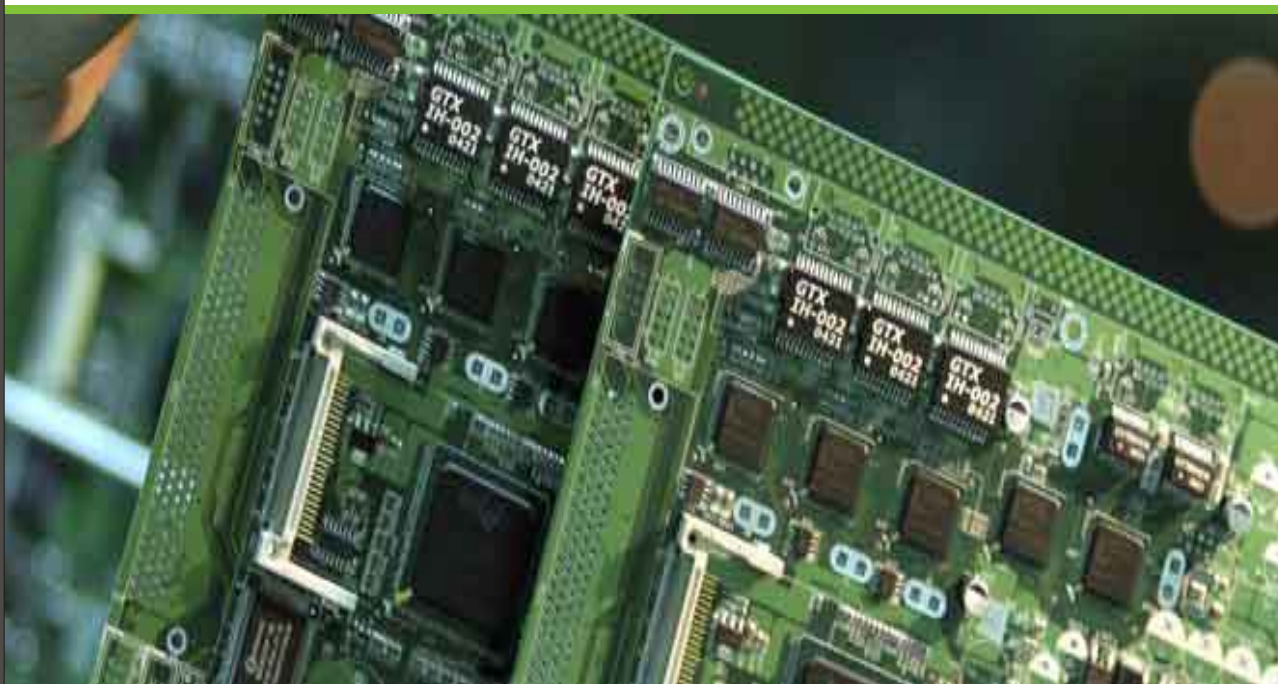


Embedded Solutions

Trinity specializes in embedded systems design involving microcontroller and ARM9 based boards with facilities of communication with deferent devices, Controlling and monitoring deferent types of sensors, 3-Axis Control Cards and GPIOs. Trinity also specializes in embedded Single Board Computer(SBC) Programming in Linux and Windows CE. With thus SBC trinity can develop application specific products, with prototyping, testing & deployment rapidly. These SBCs are with embedded OS and with touch screen and perfect for controlling and monitoring purpose.

Complex System Automation

From deployment and configuration of sensors, intelligent electronic device (IED), programmable logic controller (PLC), RTU's ,database, historian or business system for capturing vital process data and connecting remote geographical locations, Trinity can help deliver your desired level of automation in your plant.





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