

Company Overview

Cyberonix, Inc., based in Oakland, California, is an engineering and software development firm that specializes in device connectivity and application integration of automated systems throughout the industry.

Cyberonix solutions address the needs of today's global corporations for reliable monitoring and control of the corporation from the factory floor to the boardroom. Founded on the philosophy that Java technology provides the solution for the real-time total integration of all operations in an organization, Cyberonix technology provides a common space to customers, suppliers, and manufacturers. Founded in 1996, Cyberonix has become a pioneering leader in industrial-strength Java development and control.

Cyberonix, Inc., has strong alliances with Mitsubishi Electric Automation and Sun Microsystems, leading a shared commitment to deliver the highest quality communication technology products and services. Cyberonix has broad experience in delivering tailor-made solutions for Fortune 500 corporations in various industries, such as health, logistics, manufacturing, petroleum, and energy.

Cyberonix technology is recognized by global industry leaders for its innovative contribution to the automation industry. Cyberonix has received several awards, including an "Honorable Mention" from ISA Tech '97, the Java Technology Achievement Award, 1999 for their "Outstanding Contribution to Java Technology" from Java Pro Magazine and Sun Microsystems. Bruce Khavar, founder of Cyberonix, recognized for his work in Real-Time response in Enterprise Systems, has been recently nominated for the Computerworld Honors Program Award 2003 by Sun Microsystems.

Our Core Technology

In today's business world, many unsuccessful efforts have been made to integrate various intra- and inter-enterprise applications and processes.

Companies are creating rigid systems, a "collage of technologies" that are compressed and glued together by a myriad of APIs, middle-layers, gateways, and interfaces, which results in nearly unsolvable problems of system management and maintenance lacking flexibility and scalability. At Cyberonix, our mission is to provide solutions that bridge the gap between the traditional information and communication structure and the new Internet era.

Cyberonix has developed the Enterprise Common Protocol (ECP), a Java technology-based middleware for industrial control that encapsulates the existing logic of applications and business processes into one-to-one Java Objects. The new Internet era is based on event-driven, distributed, and embedded computing. It means that business rules will be embedded in micro-code and microchips closer to the business transaction, enabling devices and whole systems to take an active part in a dynamic, event-driven environment. Cyberonix's approach is implemented by adding intelligence to existing systems, allowing higher-level applications to utilize and assess information in real-time.

Why Cyberonix

Corporations are constantly adapting to the new world and integrating new technologies such as ERP, CRM, SCM, and e-Procurement from a multitude of vendors. ECP makes these tasks automated and painless, facilitating change. With the innovation of ECP object-oriented technology, Cyberonix solutions provide the following benefits for their customers:

Reliability. Cyberonix paradigm is based on real-time business rules instead of record business procedures, our system deals with events in a deterministic and reliable manner. Our built-in business procedures technology can provide responses to customers as soon as the event is generated.

Remotely monitor and control. Cyberonix solutions utilize the most reliable Internet infrastructure, allowing global corporations to monitor and control any event, at any time, from anywhere.

Retrofitability. Our technology allows interaction with client legacy systems that enhances the capabilities of the existing hardware and software systems.

Scalability. ECP allows varying hardware and software to work in harmony to achieve total integration, without losing composure, integrity, and flexibility.

Security. Most of today's communication protocols are open to "hackers." However, JAVA platform is considered one of the most secure data transfer methods.

Visibility. Through a friendly GUI that resembles "real world" systems, devices, and events, any changes on any object are instantly visible for the whole enterprise from Single Point of Maintenance, allowing the corporation to reduce costs by eliminating the need for multiple controlling centers.

Cost reduction. Cyberonix solutions consistently reduce control equipment cost and maintenance expenses through a Single Point of Maintenance, providing real-time global strategy monitoring and decision making.

Easy to use easy to deploy. The deployment and usage of Cyberonix technology is non-disruptive for the organization.

Our Solutions

eGasStation

eGasStation is the solution for the next generation gas station with the capability of taking advantage of the Interactive Global Internet. It enables legacy equipment to connect to the network, allowing data storage, remote monitoring, control, diagnosis and maintenance of all the devices in the gas station. This capability provides enormous business opportunities to the oil industry, such as enhancing customer loyalty and security, managing fuel inventory, and creating new business opportunities in a reasonable, readily deployable manner.

eLogistics

eLogistics is the solution for the next stage of logistic process management with the capability of taking advantage of the Interactive Global Internet. eLogistics solution creates a global agile environment where self-navigating packages intelligently guide themselves

in the "Logistics' Web" to reach to their final destination in an optimal and secure manner. In other words, the package is in charged of its own destination vs. the courier decides about what to do with it. eLogistics adds intelligence to the traditional logistics processes, streamlining products flow by increasing station-to-station operations, increasing shipping flexibility, reducing human intervention, optimizing inventory management, reducing cost, enhancing customer satisfaction and security and creating new e-business opportunities in a reasonable, readily deployable manner.

iParking

iParking or "Industrial" Parking has been created to meet the demands of the facility and parking management community. iParking provides an integrated air quality management system together with improved security and surveillance services, ticketing accountability for financial tracking and an secure internet onsite which can integrate customer loyalty programs. This solution brings eCommerce functionality to local retailers and provides real time monitoring of multiple garages in the local community.

Industrial Java Automation & JSR-7

Cyberonix Inc are currently leading and developing the standard for Industrial Java (JSR-7) with the assistance of their partners, Sun Microsystems and Mitsubishi Electric Automation. The goal is to define an open industry platform for the Industrial area of Java Control allowing multiple customers to benefit from the same robust, secure and reliable industrial internet solution as Cyberonix. ECP is an open standard based technology that can run anywhere, lowering the isolating effects of proprietary systems.

Cyberonix, Inc.

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