



Discover 2006

Users Conference

Universal Orlando® Resort · Florida

User Conference Session Details

Wednesday Morning, May 31st
8:00am – 9:30am

Access Hidden Capacity in your Manufacturing Operations

While most companies understand that continuous improvement is an essential part of their competitive strategy, many do not know how efficiently their machining operations are performing. Accurate data collection can help determine which investments will be most effective; however, it is challenging to decide what data needs to be collected and how the data needs to be grouped and analyzed to produce meaning. Join GE Fanuc CNC Business for this exciting session and learn how to use data to access hidden capacity in your existing manufacturing operations...and get on the road towards achieving Overall Equipment Effectiveness!

Discover Through Dialogue – Proficy Machine Edition A Voice of Customer Forum

This session provides the opportunity to participate in a discussion forum that is focused on Proficy™ Machine Edition Control Programming Software applications for GE Fanuc Controllers. This Voice of Customer (VOC) session is a forum that is centered on a variety of application use topics, including automation programming productivity improvement ideas, usability trends, and your challenges. This VOC forum will provide a unique opportunity to exchange ideas, ask questions, and provide feedback on usage!

Implementation of Manufacturing Execution Systems at GE Healthcare

Greg Gegner and Joyce Miller, P.E, Client Service Managers – GE Healthcare

It is every manufacturing and process engineer's dream to "get their hands on" data that provide the keys to process and product improvement. In this presentation, see how GE Healthcare has turned this dream into reality through implementation of a Manufacturing Execution System (MES) utilizing GE Fanuc Proficy Plant Applications, Historian, and Real-Time Information Portal. This session will review the implementation of an electronic Device History Record (eDHR) system that tracks all steps of the manufacturing process to meet FDA regulations for medical device manufacture, in conjunction with automated collection of manufacturing process data to facilitate process improvement across product lines and manufacturing operations. An overview of the implementation will be presented, with plenty of time for question and answers.

HMI and PLC Commonality for All Machines in a Plant – Reducing Maintenance and Improving Productivity with a Cost-Effective Rebuild Program

Dave Mow, The Timken Company

With the use of Generic Operator Interface Menus, plants can ensure a one-time learning curve for operators. In this presentation, learn how a simple 21st century design can bring easier maintenance and improved performance to your older equipment. Designed by Dave Mow at The Timken Company, this best-practice rebuild program has provided a cost-effective way to reduce set-up time by over 50% while increasing overall quality. With commonality across all machines, operator training has decreased by more than 45% — all while saving hundreds of thousands of dollars per machine compared with buying new equipment.

Run Your Plant Better, Run Your Business Better – with Proficy Plant Applications

Discover the latest about Proficy's Plant Applications suite of Production Management Solutions. See how these integrated applications provide the broadest, best solution set in industry today for helping customers meet their production, quality and growth goals – and what we're doing to make them even more powerful in the future. Also learn how customers are integrating accurate, real-time production data from Plant Applications into their plant and corporate Business Systems through our proven Enterprise Integration practices, letting them run their plants better to run their businesses better.

Introducing Proficy Process Automation Systems and Batch

Discover how Proficy PAS (Process Automation Systems) can provide you with the capabilities typically associated with distributed control systems, yet with the openness and flexibility of HMI/PLC solutions. You will learn how the components of the PAS system architecture are fully integrated to allow you to develop process control strategies using a variety of programming languages, provide you world-class HMI/SCADA for process visualization, and complete historization to support compliance and analytics. We will also discuss how you can layer additional value to your system with our batch application for customers in the batch manufacturing space.

Proficy Production Management – Exciting New Capabilities!

Discover what the future of Production Management looks like – today. Learn how GE Fanuc is leveraging our leadership position in the HMI/SCADA and MES/EMI markets to give you the broadest, most complete solution set available. From our powerful new Workflow Engine to our cutting-edge User Interaction Paradigm, you need to see what's new with Proficy.

Master Control Station design for Production Control Systems

Ken McCown and Steve Trei – Control Dynamics International

The Master Control Station (MCS) is the heartbeat of any off-shore oil and gas production platform, and Control Dynamics International (CDI) is engineering the world's best. Built as an OEM offering for an international oil services company, this MCS combines industry proven, fault-tolerant GE Fanuc hardware and software with decades of control system experience to create the most robust system available today. In fact, one prominent end user (working for one of the top three oil companies – ChevronTexaco) proclaimed during a recent factory acceptance test "this is truly the best system on the market today".

Characteristics that support such a lofty claim are the system's flexibility, openness to numerous interfaces, and ease of use from both operations and maintenance perspectives. Every single subsea data point is retrieved by the MCS, allowing operations to maximize field production rates at all times. Reservoir engineers have critical, real-time data available to them to optimize long-term payoffs of their fields.

The demanding offshore industry requires the highest degree of system availability. This MCS, developed by CDI and built on GE's 90/70 based fault-tolerant PLCs, has been designed to remove any single point of failure, providing complete redundancy throughout. This added complexity will ensure end-user uptimes greater than 99.99%.

CDI's proven Engineering Methodology provides a design that incorporates the best technology available on the market today to meet or exceed the stringent demands of subsea production applications. Custom programming is minimized, allowing end users the ability to maintain the fast pace of technological advances to their system. CDI also provides lifetime support as an additional feature of the MCS, allowing each end user the ability to focus on their core competency while maintaining a proven, top of the line Subsea Production Control System.

Wireless Reliability Factors for Industrial Applications

Paul Mercier, National Wireless Specialist – Phoenix Contact

FCC rules permitting License Free (i.e. no-permit, no-fee) spread spectrum operations in designated (ISM) bands have resulted in a variety of products and applications. As the interest in these "over the counter" type wireless products grows, so do the questions and concerns over what level of performance that can reasonably be expected. This presentation discusses some the

system level concerns and application scenarios that can be anticipated and experienced with various wireless technologies in today's industrial applications.

Wednesday Morning, May 31st
8:00am – 11:30am

Proficy HMI/SCADA – CIMPLICITY®: Discover CIMPLICITY 7.0 and Other Hidden Treasures

In this hands-on workshop you will have the opportunity to discover first hand some of the powerful "Hidden Treasures" in the product that can improve your development and operator productivity. In addition, we will show you some of the new features being developed for the CIMPLICITY 7.0 release.

Big Things do come in Small Packages

Featuring the VersaMax® Micro 64, we will provide students with an instructor-led hands-on experience with the all-in-one controller and powerful communications options, including Ethernet. Emphasis is given to experience the integrated development environment (for control, HMI and motion) enabling engineering productivity. Walk out with a free Micro 64 Starter Kit (programming software and a VersaMax Micro 64).

Servo Motor Selection and Optimization

This session will introduce how to optimize your motion application, including motor sizing and selection fundamentals and terminology, using speed reducers to optimize cost/performance, and understanding mechanical resonances that can degrade system performance. Hands-on lab sessions will provide experience with motor sizing and selection tools used to provide the best motor selection for your application.

Plant Floor Data Collection and Historical Analytics

Featuring the QuickPanel View, Historian, and other Proficy tools, you'll learn how to best collect, assimilate, and analyze data to get the maximum value from your system.

Proficy HMI/SCADA – iFIX®: Discover iFIX 4.0 and Other Hidden Treasures

In this hands-on workshop you will have the opportunity to discover first hand the great new features and benefits in the exciting new iFIX 4.0 release. In addition to the new release, we will also show you some of the "Hidden Treasures" in the product that can improve your development and operator productivity.

Wednesday Morning, May 31st
10:00am – 11:30am

Lean Manufacturing at its Best – from the Society of Manufacturing Engineers

Tomorrow's lean enterprises will have a principle-based structure for rapid project implementation, and will be expert at applying the correct lean tools to solve business problems while simultaneously developing flexible capability. Join Terry Begnoche of the Society of Manufacturing Engineers (SME) and other SME members for an interactive presentation on the latest in practical lean applications. Leave the conference with the framework you need to increase productivity in your workplace or enterprise.

Proficy's User Interaction Paradigm

Discover GE Fanuc's innovative approach to managing complex data and plant floor systems with our patented, role-based User Interaction Paradigm.

Increasing Machine Capabilities by Leveraging New Automation Technologies and Managing Upgrade Risks

Steve Sefton, Program Manager, Chemical Management Division, BOC Edwards

In semiconductor processing—like many industries—quality and reliability are critical. That’s why the team at BOC Edwards Chemical Management Division was cautious before proceeding with a recent upgrade and carefully considered the risk of impacting its machine quality and production. With the help of the GE Fanuc OEM Edge Program, BOC Edwards was able to manage the risks associated with change while gaining improved machine performance. In this presentation, learn how BOC Edwards managed the risks associated with a machine upgrade to the QuickPanel View, leveraged the tools and services from the GE Fanuc OEM Edge Program, and achieved new capabilities—such as web publishing, improved connectivity and faster system response time—all while maintaining the highest quality and reliability.

Enabling Award-Winning Productivity with Automated Manufacturing Systems and Factory Floor Intelligence

Steve Smith, Lead Systems Engineer, Nissan North America, Inc.

With one of the most productive automotive plants in North America for the last 8 out of 10 years (according to The Harbour Report), Nissan North America, Inc., knows how to drive manufacturing. Its team of professionals has implemented the “Nissan Production Way,” a quality-driven, waste-free global Nissan manufacturing standard that begins and ends with the customer. When it came time to launch the company’s first line of full-size vehicles, Nissan duplicated its successful Smyrna, Tenn. plant model – which includes cell-, machine- and plant-wide automation from GE Fanuc – at their new plant in Canton, Mississippi.

In this presentation, learn how Nissan has taken advantage of the Proficy suite of software to help drive efficiency at the Smyrna and Canton manufacturing facilities – monitoring and controlling processes ranging from the highly flexible paint shop and carefully tracked production to environmentally friendly incineration systems and cost-effective energy management. You’ll learn how the Nissan team has been able to meet daily manufacturing achievement numbers and keep production fluid; ensure system quality and uptime; excel at implementation and production with an expert team that is 25% of the size of competitors’ engineering resources; decrease training time by 70% on maintenance; reduce scrap for improved environmental friendliness; collect data for improved warranty, recall, defect and hold management; decrease system implementation costs; and much more.

Getting Even More Out of Proficy Plant Applications

Discover some of the advanced features and capabilities in Plant Applications that you may not even know are there. For new users and advanced users alike, this session with the Product Marketing Team will prove valuable in making sure you get the most out of your systems by knowing all the latest Tips & Tricks!

PACSystems® Next Steps

Discover the roadmap for the new generation of control, and how it will benefit you as an OEM or an End User. Learn how you can apply and see benefits from these exciting new developments, while preserving your investments. Topics include safety, interfacing from the plant floor to the business systems, and next steps in open architecture. This session should be a must for all control users looking for next steps with existing systems or new systems.

Proficy Change Management – Architecting and Configuring the Optimum Solution

Let the GE Fanuc Professional Services experts take you through an in-depth technical discussion on how Proficy Change Management will help keep your plant up and running. Learn how the Change Management tools have been applied in real customer environments to improve their engineering and maintenance processes in both regulated and non-regulated industries. This session will demonstrate the powerful productivity enhancing features built into the Proficy Change Management software to help keep your plant up and running. These include adding projects, modifying PLC or HMI applications, and tracking changes. Learn how easy it is to leverage the power of Change Management to improve your engineering and maintenance process.

Enterprise Strategies to Drive Business Value from Systems Deployments

Presented by Noel Peberdy of Entegreat Inc.

Manufacturers globally have been turning to systems technology to enhance quality, eliminate waste and improve productivity – all with the objective of differentiating products and driving down costs. In addition, flexibility and agility have become primary attributes of manufacturing capability. Manufacturing systems have become a key weapon in driving down manufacturing costs, and producing consistent, high quality products. This session will illustrate this through an industry leading customer example.

Manufacturing systems lie at the nexus of shop floor and business enterprise cultures and capabilities. To be successful, they must synthesize business strategy with manufacturing strategy, so that appropriate tradeoffs can be made to deliver the right balance of functionality. As a result, manufacturing systems strategies must be established to manage the both technical complexity as well as complexity of project implementation.

The purpose of this session is to articulate the approach to development, support and evolution of manufacturing systems in a global company to support manufacturing and business strategy. Project methodology is a key enabler for delivery of systems that consistently deliver strategic value at minimum cost. Technical standards must be implemented across all plants in order to achieve supply chain objectives and contain implementation and support costs. Governance processes are critically important to ensure sustainability and responsiveness to changing business conditions. Organization Change Management is an underlying theme because ultimately, people will determine the outcomes, not systems.

Wednesday Afternoon, May 31st

1:00pm – 2:30pm

Why Retrofit?

Would you like to discover new ways to rejuvenate and enhance productivity into an otherwise mechanically sound, high value machine? Or are you considering a complete rebuild and updated technology in order to leverage your investment? Whatever your situation, there is a retrofit solution that is just right for your application – one that is capable of delivering the productivity and quality you need for today's challenging business environment. Join us and discover how to breathe new life into your existing resources.

Enterprise Integration Strategies

Discover how other companies are integrating their manufacturing operations into their businesses and learn how GE Fanuc's vast experience, products and processes have helped.

Driving Global HMI/SCADA Standardization and Implementation

Guy Rousseau, Industrial Application Specialist, Electrical and Automation Department, Lafarge North America Inc. – Corporate Technical Services

As the largest supplier of construction materials such as cement, ready-mixed concrete, and asphalt, Lafarge North America has its own mix of control and automation technology across its plants. Learn how Lafarge is globally standardizing its technologies, including HMI/SCADA, to drive productivity, increase capabilities, decrease maintenance time and costs, and provide best-in-class corporate technical services to all of its plants. This presentation – which will include a view both inside individual plants as well as cross-plants – will examine the strategies behind adopting automation standards, selection processes, methods for leveraging and integrating with installed equipment, rollout planning and implementation, training, and more.

Improving Automation at Extended Sites: Designing and Implementing Centralized Solutions to Increase Reliability, Safety and Production

Jose Chesta, General Manager, Chesta Ingeniería S.A.; Martin Galaz, Mine Instrumentation Maintenance Engineer, Codelco

El Teniente is the largest underground copper mine in the world, located 80 Km South of Santiago-Chile, at 2500 meters above sea level in the Andes Mountain. This mine, which began to be exploited in 1904, has 2400 Km of underground galleries and interconnecting tunnels that run throughout the multiple-level mine. Operated by Codelco – the state-owned copper mining company – El Teniente produces 334306 metric tons a year of copper as RAF ingots and copper cathodes. As byproduct of mineral processing, it also obtains 4,720 tons of molybdenum and more than 800,000 tons of sulphuric acid a year.

The mine provides 131000 tons of mineral per day, which is transported to the Concentrator in the surface, where it is milled and turned to concentrated copper. The transport of the mineral is carried out through the Level 8 Railroad.

To obtain this capacity of production, El Teniente has had to invest in diverse automation projects such as: centralized handling of ventilation of the mine, automatic mineral transport, automatic mineral loading in railroad convoys, centralized energy management systems, traffic control systems, etc.

In this presentation, learn how Codelco and partnering integrator Chesta used proven automation technology in very hard conditions to increase reliability, safety and production in this extended mine – across systems ranging from ventilation to mineral loading, with various redundant HMI servers, 20 Km of fiber optic backbone network, audio, video and data transmission, more than 100 controllers, easy-to-use operator consoles, and more.

ISA-95 Standards – Practical Application in Manufacturing

The ISA-95 standard is playing an increasingly important role in manufacturing today. From manufacturers and consultants writing specifications around the standard to Systems Integrators and Solutions Providers developing systems that follow it, everyone needs to understand how to practically apply ISA-95 in a meaningful way. Join Charlie Gifford, GE Fanuc's Director of Lean Production Management and Chairman of the ISA-95 Best Practices Working Group, to discover the ins-and-outs of ISA-95 and the value of applying it to your Production Management systems.

Countless Ways to Improve Machine Cycle Time

Discover the new PACSystems High Speed Counter module capabilities that provide high performance solutions for simple motion applications. With an advanced technology that counts up to 2 MHz, some key applications that were difficult before are now easier and more cost effective with this new module. Come learn how this new highly configurable high-speed counter can increase your productivity and reduce costs.

Proficiency HMI/SCADA – Today and Tomorrow, Including Integration With The Proficiency Server

Discover why GE Fanuc is a world leader in HMI/SCADA with CIMPLICITY and iFIX, and how we are continuing to invest in these products to add value to your existing systems. We will discuss how you can easily layer additional value into your applications with other existing Proficiency products. We will then share with you our future visions and plans for the HMI/SCADA products. This includes how the Proficiency Server will layer on top of your systems and "change the game" by allowing you to add context to your HMI/SCADA tags, and in doing so, open a new world of data analysis that once required custom coding and custom solutions. This presentation will appeal to all HMI/SCADA customers in either process or manufacturing oriented industries.

Optimizing the Process Safety Lifecycle *Presented by Eric Olson of Hinz Automation Inc.*

Risk reduction is a closed-loop process of which safety system design and implementation are only a small part. The risk reduction process goes through a series of phases that are collectively called

the "Safety Lifecycle". There are several "right" ways to execute each phase. The best method produces all the essential outputs in a format that can be easily assimilated into the next phase. This is especially true for keeping the Operation and Maintenance phase easy and affordable to manage. In order to prove due diligence, project documents and other deliverables must be verified against the process hazards analysis (PHA) report. This degree of auditability is wholly dependent upon managing the Safety Lifecycle phases.

SCADA Remote Monitoring

This workshop will cover the full range of automation required to design and implement a Remote Monitoring solution. Concepts covered will include selection of a control platform for remote sites, handling connectivity from the remote site, buffering and managing data due to intermittent connections, local visualization, centralized SCADA visualization and management, and the retention and utilization of historical data that is "hole-free" in terms of continuity and completeness. Potential use of Proficy Historian, Portal, iFIX, CIMPLICITY, QuickPanel™ View, VersaMax will all be included in design and on-hand discussions. Discussion of how to leverage existing investment by including third-party products will also be included.

Transformation for Manufacturing Operations Visibility and Decision Support *Rex LaRowe, Director of Manufacturing Industry Frameworks and Solutions, and Barry Vaught, Delivery Executive – EDS*

As cited in a recent industry analyst report, manufacturers have sought transparency into production information, processes and resources for many years. Since the introduction of the first manufacturing resource planning (MRP) systems three decades ago, many enterprise executives have considered factory operations as a mysterious black hole. Information about production schedules, work orders, material, process status, quality, and resource utilization was scattered in various systems. As manufacturers invested in enterprise resource planning (ERP) systems, again the promised visibility into manufacturing operations has eluded plant managers and executives. The manufacturing operation IT systems have come to be viewed as obstacles to change. The need still exists to unlock the operational data and present it to decision makers in real-time or near real-time fashion. EDS has developed a framework and transformation methodology to lead manufacturing enterprises through the journey to an agile architecture that can support rapid change and provide the information visibility necessary for making decisions in real-time on a global basis.

Wednesday Afternoon, May 31st
1:00pm – 4:30pm

Advanced PACSystems Programming

Featuring the PACSystems RX3i and Machine Edition, this workshop will provide you with instructor-led hands-on experience around the advanced Object Oriented programming capabilities. Hands on includes programming in FBD and Structured Text along with different data structures and the advantages to the Toolchest.

Get Your Hands On: Proficy Portal and Historian

In this hands-on workshop you can put your hands on some of the most powerful, capable products in the market for collecting and visualizing accurate, timely production data. Learn how Historian keeps you connected to your mission-critical data and how Portal keeps you connected to your business-critical performance metrics.

Get Your Hands On: Proficy Plant Applications

In this hands-on workshop you will have the opportunity to discover first-hand the powerful features and capabilities in our newest Plant Applications release, designed to simplify your user experience and reduce your Time-To-Value.

Wednesday Afternoon, May 31st
3:00pm – 4:30pm

Buying parts off a CNC

Discover the secrets of Renishaw's own world-class manufacturing facility through a case study demonstrating real-world methods to drastically reduce manufacturing costs, increase shop throughput, and reduce piece part inspection using the latest in machine tool and CMM technology. They will introduce attendees to "the most significant CMM development in precision measurement in the past quarter-century", and what this technology means to manufacturing. Come and learn how Renishaw achieves an average of 140 hours per week, per machine, and how they buy 100% of their parts straight off their CNC machines, without inspection costs.

Discover Through Dialogue – Proficy HMI/SCADA CIMPLICITY

A Voice of Customer forum

This Voice of Customer (VOC) session provides the opportunity to participate in a Proficy HMI/SCADA CIMPLICITY Software application use discussion forum. It is centered on a variety of application use topics including Device Communications, Data Analysis, Security and Compliance, and Future Product Directions. GE Fanuc would like to get your voice to better understand your current and future needs in these and other areas. This VOC forum will provide a unique venue to exchange ideas, ask questions, and provide feedback on usage!

Optimizing Operations and Data Collection for Improved Batch Manufacturing

Jeff Moore, Sr. Process Control & Project Engineer, Centocor Biologics, a wholly owned subsidiary of Johnson & Johnson

Manufacturing biomedicines involves a process that takes many months and needs to be carefully monitored and controlled. Centocor has not only pioneered chronic disease therapies but also employs continuous improvement in biomedicine manufacturing needed to bring world-class products to customers. In this presentation, learn how Centocor has developed best practices for improving batch manufacturing – including recipe management, batch monitoring and control, and historical and real-time trending. And, discover how the team is applying Proficy HMI/SCADA – iFIX, Batch Execution and Historian in a new BioReactor controller project, designed to improve operations and reduce errors and waste, in conjunction with Six Sigma and Voice of Customer methodologies.

Leveraging and Extending HMI / SCADA in Advanced Automation Systems

Dan Perrier, P.E., President, Automated Control Systems, Inc.

In most advanced automation systems, HMI/SCADA plays a critical role. Learn how to speed development of iFIX applications, rapidly develop pictures and screens, provide quality verification, and leverage an important part of your machine or plant technology. This presentation will showcase HMI/SCADA examples from process industries – with time- and cost-saving tools and benefits that apply to almost any application. Discussion will include: database techniques, alarm functionality, graphics tools, integrating C/C++ applications using EDA, and much more.

Embedded Technologies for Automation

Learn how GE Fanuc Embedded Systems can meet your needs for faster communication, increased processing power, and affordability – all on open standards platforms able to withstand harsh environments. Embedded computing can help speed data to each unique control platform in your application to improve efficiency and reduce production time and material scrap. Additionally, reflective memory solutions can decrease physical network management issues and network downtime. Embedded computers can provide a truly open solution with customization for the perfect fit to your unique application.

Motion Automation: Enhancing Machine Productivity

Learn how servo technology is changing the way you approach motion control in a system or for a single machine. Discover AC servo technology advantages over other electronic and mechanical motion solutions. Learn how features such as electronic line shaft, gearing and camming improve machine reliability and significantly reduce product changeover times. See examples of high-speed production improvements for multiple industries.

Operator Interface/Visualization

Learn the latest about our visualization solutions – QuickPanel View, Machine Edition View, and Thick & Thin Client Intelligence PCs. See how these solutions can integrate with Proficy Historian and Proficy Portal to provide a complete Visualization solution.

GE Fanuc – The Complete Solution (It was good 20 years ago and even better now) Presented by Robert Marx of Synapse Systems, Inc.

Do you want to transform your current production system into a modern and flexible system that will allow you to create actionable business information? Let us show you how the GE Fanuc Solution was right 20 years ago and is still the best solution on the market today. GE Fanuc products provide you with the tools and technologies you need to share information with users throughout your business and throughout the supply chain. Anytime, anywhere, in any format that's most intuitive for the end-user. As a result, your entire workforce is information-enabled and ready to make well-informed business decisions based on up-to-the-second information – and make your business more productive, more agile and more profitable than ever before.

Join us as we share an application with you detailing how GE Fanuc products work together and integrate into a seamless and powerful suite of tools that allow you to transform raw data into a competitive advantage for your enterprise. Topics of discussion will include a complete GE Fanuc solution implemented 20 years ago in a steel facility, and how it was upgraded to a modern cost effective platform with an extremely aggressive implementation time.

This discussion will address the legacy GE Fanuc hardware and software that was in place and the migration path implemented to get them to a contemporary GE Fanuc solution. This includes; Drives, PLC, SCADA, Historian, and Production Management – The Complete Solution. By looking at how all these products come together to form a seamless application, we can show the power and advantage of a GE Fanuc solution and how it can turn raw data on your shop floor into powerful information in the boardroom.

Innovation Transforming the Digital Factory

Presented by Michael Ludgate, Industrial Segment Marketing Manager, Intel; and Babu Narasimhan, Embedded Technology Marketing Manager, Intel

The landscape in industrial automation is changing significantly; digital systems, hardware and software are driving efficiency and productivity benefits. New manufacturing technologies and connectivity are enabling richer platforms that allow users to access data management, production planning and supply chain systems. Explore innovative technologies, platforms and evolving processor architectures that are transforming the Digital Factory.

Using Technical Support Tools Feedback & Training Session Learn How to Use the “Now” and Help Us Shape the Future!

When you have a technical question or problem you want to get answers fast!!

Come to this session and learn the fastest, most effective ways to use common GE Fanuc support tools including:

- The technical support web page
 - o Creating and updating cases
 - o Searching for Answers
 - o Finding documentation
 - o Signing up for fix notifications
 - o Downloading fixes
 - o Sharing best practices with other users on GE Fanuc Forums
 - o Finding program information
- Black Box to create log files to aid trouble-shooting
- Remote access solutions such as Web-X, GoToAssist, etc.

Demonstrate to us how you use the support web site today and give us your insights as we plan enhancements, changes and additions to our tool collection. Speak with technical support engineers and management, and influence the future “real time”!

Link to Remote Ethernet Equipment with Traditional Phone Dial-up and State-of-the-Art Cellular

Lynn Linse, Digi International

Cell phones have changed the way we do business and travel. While in a town 1000 miles away from home you can call a customer to ask which highway exit to take immediately after your youngest child calls to tell you about the prize they won in school today. Wouldn't it be nice if your PLC communications could be so flexible and unfettered by physical locale? This talk covers use of cellular and analog modems to access remote Ethernet and serial devices with standard TCP/IP based protocols, allowing virtually any GE/Fanuc device to be accessed remotely. The use of IP protocols enables powerful, multi-protocol support an order of magnitude better than traditional "dialup with Modbus/RTU".

The presenter is a senior engineer and recognized industry expert who has used cellular and analog modems to connect to remote VersaMax PLC and QuickPanels, so you can bring up your hard questions and concerns.

**Wednesday Evening, May 31st
5:30pm – 6:30pm**

Are your People Ready?

Don Richardson, Director, Manufacturing Industry Solutions, Industry Solutions Group (ISG), Microsoft Corp.

Microsoft software uniquely amplifies the efforts of every individual, team, and manager in a company, helping them make the greatest possible contribution to the company's success. Come hear how Microsoft & GE Fanuc are partnering to make manufacturing "People Ready".

Don Richardson, Microsoft's Director of Manufacturing for Global ISV Strategy, and Rich Carpenter, GE Fanuc's VP of Software Technology, will discuss the combination of technology and deep domain expertise to drive innovation and operational efficiency in GE's Manufacturing Systems. Their discussion will span, among other topics, Microsoft's new Windows Presentation Framework - based (WPF, formerly Avalon) visualization technologies, GE Fanuc's new User Interaction Paradigm, and how this collaboration will dramatically empower Your People.

**Thursday Morning, June 1st
8:00am – 9:30am**

Access Hidden Capacity in your Manufacturing Operations

While most companies understand that continuous improvement is an essential part of their competitive strategy, many do not know how efficiently their machining operations are performing. Accurate data collection can help determine which investments will be most effective; however, it is challenging to decide what data needs to be collected and how the data needs to be grouped and analyzed to produce meaning. Join GE Fanuc CNC Business for this exciting session and learn how to use data to access hidden capacity in your existing manufacturing operations...and get on the road towards achieving Overall Equipment Effectiveness!

Your Data – Your Key to Compliance

From regulatory requirements to quality certifications to the demands of your supply chain partners, compliance presents many challenges. In this session, discover how companies from a range of industries approach these challenges and how GE Fanuc products provide the data traceability/genealogy that provides the foundation for meeting your compliance requirements.

Factory Information System (FIS) at GE Lighting's Ceramic Metal Halide (CMH) Plant: Product and Production Tracking with Proficy

Brian Thomas and Miklos Konya, GE Consumer & Industrial-Lighting, and Zoltan Misik, COM-FORTH

In this presentation, learn how the GE Lighting CMH Factory Information System provides plant-wide intelligence at a completely new ceramics manufacturing facility in Budapest, Hungary. With all new equipment and staff, plant-wide intelligence was essential for a quick and successful startup.

A Phase-In Approach to Control System Retrofits - Using Regular Maintenance Downturns to Achieve 100% Vertical Startup

Jim Zelazny, Integrated Mill Systems (IMS)

For every plant with equipment in need of a major retrofit, a modernization project would be ideal - except for the downtime. However, a unique phase-in approach can permit even a large-scale upgrade - from installation through to commissioning - using regular maintenance downturns. With this approach, plants can achieve powerful upgrades in a 100% vertical startup. In this presentation, Integrated Mill Systems explains the techniques behind the phase-in approach and highlights a recent upgrade at Mittal Steel USA. This major modernization of a hot strip rolling mill involved GE Fanuc PACSystems RX7i systems and Proficy HMI/SCADA - CIMPLICITY, for an innovative, cost-effective upgrade that leveraged both the latest control technology and the plant's legacy equipment. IMS will address a broad spectrum of control applications, ranging from high-speed inner-loop drive regulators to supervisory master control - all distributed on a single open platform.

Proficy HMI/SCADA - Today and Tomorrow, Including Integration With The Proficy Server

Discover why GE Fanuc is a world leader in HMI/SCADA with CIMPLICITY and iFIX, and how we are continuing to invest in these products to add value to your existing systems. We will discuss how you can easily layer additional value into your applications with other existing Proficy products. We will then share with you our future visions and plans for the HMI/SCADA products. This includes how the Proficy Server will layer on top of your systems and "change the game" by allowing you to add context to your HMI/SCADA tags, and in doing so, open a new world of data analysis that once required custom coding and custom solutions. This presentation will appeal to all HMI/SCADA customers in either process or manufacturing oriented industries.

Benefits of IEC Programming

Discover how to pick the best IEC 1131 programming method to get maximum productivity out of your system. Understand the power of Machine Edition Toolchest and data handling to provide advancements for these languages.

Introducing Proficy Process Automation Systems and Batch

Discover how Proficy PAS (Process Automation Systems) can provide you with the capabilities typically associated with distributed control systems, yet with the openness and flexibility of HMI/PLC solutions. You will learn how the components of the PAS system architecture are fully integrated to allow you to develop process control strategies using a variety of programming languages, provide you world-class HMI/SCADA for process visualization, and complete historization to support compliance and analytics. We will also discuss how you can layer additional value to your system with our batch application designed for customers in the batch manufacturing space.

Benefits of an Incremental Approach to Efficiency Management

Presented by Mike Grasley of ASECO Integrated Systems

The expression "Garbage In, Garbage Out" is as old as the computer industry itself. It certainly holds true with Efficiency Management, where the system's ability to generate actionable information is very much a function of the quality of the data being collected.

But most control systems were designed to run the equipment, not to provide production and analytical information to an Efficiency Management system. This means the data that is readily available for an Efficiency Management implementation is often incomplete, or of poor quality. The need to remediate the control system to provide good quality data is often an unexpected

expense to the customer (and often an underestimated expense by the integrator) that drives up the capital cost of the project and makes initial cost justification more difficult.

ASECO has developed an incremental approach to Efficiency Management implementations designed to minimize the up-front costs and development time, and lead to rapid benefits. This session will examine the methodology differences between an incremental implementation and a traditional implementation, look at the differences in cost between the two approaches, and discuss how an incremental process impacts time-to-benefit.

Thursday Morning, June 1st 8:00am – 11:30am

Servo Motor Selection and Optimization

This session will introduce how to optimize your motion application, including motor sizing and selection fundamentals and terminology, using speed reducers to optimize cost/performance, and understanding mechanical resonances that can degrade system performance. Hands-on lab sessions will provide experience with motor sizing and selection tools used to provide the best motor selection for your application.

Big Things do come in Small Packages

Featuring the VersaMax Micro 64, we will provide students with an instructor-led hands-on experience with the all-in-one controller and powerful communications options, including Ethernet. Emphasis is given to experience the integrated development environment (for control, HMI and motion) enabling engineering productivity. Walk out with a free Micro 64 Starter Kit (programming software and a VersaMax Micro 64).

Plant Floor Data Collection and Historical Analytics

Featuring the QuickPanel View, Historian, and other Proficy tools, you'll learn how to best collect, assimilate, and analyze data to get the maximum value from your system.

Get Your Hands On: Proficy Portal and Historian

In this hands-on workshop you can put your hands on some of the most powerful, capable products in the market for collecting and visualizing accurate, timely production data. Learn how Historian keeps you connected to your mission-critical data and how Portal keeps you connected to your business-critical performance metrics.

Get Your Hands On: Proficy Plant Applications

In this hands-on workshop you will have the opportunity to discover first-hand the powerful features and capabilities in our newest Plant Applications release, designed to simplify your user experience and reduce your Time-To-Value.

Thursday Morning, June 1st 10:00am – 11:30am

Lean Manufacturing at its Best – from the Society of Manufacturing Engineers

Tomorrow's lean enterprises will have a principle-based structure for rapid project implementation, and will be expert at applying the correct lean tools to solve business problems while simultaneously developing flexible capability. Join Terry Begnoche of the Society of Manufacturing Engineers (SME) and other SME members for an interactive presentation on the latest in practical lean applications. Leave the conference with the framework you need to increase productivity in your workplace or enterprise.

Discover Through Dialogue – Proficy HMI/SCADA iFIX

A Voice of Customer Forum

This Voice of the Customer session provides the opportunity to participate in a Proficy HMI/SCADA iFIX Software application use discussion forum. The session is centered on a variety of application use topics, including Device Communications, Data Analysis, Security and Compliance,

and Future Product Directions. GE Fanuc would like to get your voice to better understand your current and future needs in these and other areas. This VOC forum will provide a unique venue to exchange ideas, ask questions, and provide feedback on usage!

Driving Quality and Efficiency Across Diverse Manufacturing Environments Through Standards-Based Production Management

Brandon Henning, Project Leader – Plant Systems, The J. M. Smucker Company

Manufacturing products ranging from jellies and peanut butter to baking mixes and pickles, The J. M. Smucker Company has leveraged automation technologies such as Proficy Plant Applications to develop best practices and increase quality and efficiency. In the company's manufacturing, the team at Smucker must maintain the quality associated with iconic brands that include Smucker®, Jif®, Crisco® and Hungry Jack®, and must also manage an increasing product mix driven by corporate acquisitions. Each acquired manufacturing environment has an inherited base of installed technologies and with it an associated set of challenges. In this presentation, learn how Smucker has achieved best practices for quality management, recipe management and download, compliance reporting, environmental documentation and management, software standardization and rollout, and more. Discussion will range from batch processing to packaging lines – and will spotlight projects at individual plants as well as the strategies to drive quality and efficiency.

Industrial Control System Lifecycle Management: Kaizen and Its Impact Presented by Anthony Bynoe, CEO and President, Bynoe Consulting Group

Tight budgets require that each of us do more with less – every day. Learn how your organization can employ Kaizen to determine Lifecycle Management choices that enable higher levels of efficiency, productivity and value.

ISA-95 Standards – Practical Application in Manufacturing

The ISA-95 standard is playing an increasingly important role in manufacturing today. From manufacturers and consultants writing specifications around the standard to Systems Integrators and Solutions Providers developing systems that follow it, everyone needs to understand how to practically apply ISA-95 in a meaningful way. Join Charlie Gifford, GE Fanuc's Director of Lean Production Management and Chairman of the ISA-95 Best Practices Working Group, to discover the ins-and-outs of ISA-95 and the value of applying it to your Production Management systems.

Embedded Technologies for Automation

Learn how GE Fanuc Embedded Systems can meet your needs for faster communication, increased processing power, and affordability – all on open standards platforms able to withstand harsh environments. Embedded computing can help speed data to each unique control platform in your application to improve efficiency and reduce production time and material scrap. Additionally, reflective memory solutions can decrease physical network management issues and network downtime. Embedded computers can provide a truly open solution with customization for the perfect fit to your unique application.

Proficy Tracker – Architecting and Configuring the Optimum Solution

Let the GE Fanuc Professional Services experts show you how the Proficy Tracker solution has been applied to help customers realize Lean Manufacturing through an integrated MES implementation within discrete manufacturing environments. Applications including: Order Execution Management for "Build to Order"; Sequence Management for maintaining the build sequence; Supplier Broadcast for supply chain coordination; Error Proofing for building your product right the first time; and efficient Material Delivery Systems for controlling Work In Process inventories will all be covered. Learn how Proficy Tracker can be configured to address these challenges common to any high volume, high value, and high product variability discrete parts manufacturer.

Process Centerlining

Presented by Charles Horth of System Technologies for Industry, Inc. (STI)

Manufacturing operations typically track product specification deviations. What is less usual is to track deviations from the recipe in real-time. This enables the following questions to be answered: Was there deviation from the recipe? By what operator? Why? On what product run? Did this have an impact on product quality? Should the recipe be changed? This ties the quality data from

the lab to the actual process targets and the operator's actions. This presentation focuses on an actual implementation, benefits and challenges of a real-time centerline application using Proficity Plant Applications. The session is ideal for Control Engineers, Process Engineers, Quality assurance personnel, R&D that develop recipes, Plant Managers, IT personnel and Vice Presidents who are looking at creative ways to identify and resolve product quality issues.

High-Availability Application Primer - Addressing the Key Factors of People, Process, and Technology Impacting Your Manufacturing IT
Presented by Frank Hill of Stratus Technologies

New technology and techniques can dramatically reduce the risk of unplanned downtime and lower the infrastructure lifecycle cost when deploying the new generation of powerful integrated shop floor applications.

Thursday Afternoon, June 1st
1:00pm - 2:30pm

Why Retrofit?

Would you like to discover new ways to rejuvenate and enhance productivity into an otherwise mechanically sound, high value machine? Or are you considering a complete rebuild and updated technology in order to leverage your investment? Whatever your situation, there is a retrofit solution that is just right for your application - one that is capable of delivering the productivity and quality you need for today's challenging business environment. Join us and discover how to breathe new life into your existing resources.

Justifying Plant Systems

Discover how other companies attack the issue of justifying plant or corporate projects and learn what tools and processes GE Fanuc has to help.

Integrated Motion Control: When Automation Goes Live!

Mark Ewing, Project Manager - Chicago Scenic Studios

Automation for live productions ranging from the Oprah Winfrey Show to the Democratic National Convention to the NFL Playoffs demands high reliability and accuracy. Learn how Chicago Scenic Studios meets the needs of its well-known customers with integrated motion control, designed to deliver the greatest reliability, accuracy, response - as well as ease of use. You'll hear how automation for live productions means striving for best practices that can benefit your application - and technology that includes remote PACSystems racks, Profibus and Ethernet communication, and QuickPanels.

The Road to a New Manufacturing Model: Expert-Driven Production at Jeep Supplier Park

Dave Konye, DaimlerChrysler Global Account Manager, Manufacturing Execution Solutions, GE Fanuc Automation - in conjunction with KUKA Flexible Production Systems Corporation

The Chrysler Group's Jeep Toledo project could serve as a model for all OEMs to follow and change the way vehicles - and other products - are manufactured. KUKA manages the body shop, while Haden supplies the paint shop, and Hyundai Mobis operates the chassis building. The \$2.1 billion co-located plant allows the teams to share the capital expenses involved with constructing a world-class manufacturing campus and leverage core competencies. With sequencing and traceability as key manufacturing priorities, GE Fanuc's production management system is helping to move this new manufacturing concept into the fast lane - providing a foundation for executing orders to Chrysler's master build sequence, achieving continuous assessment of the health of the plant, producing a birth record for each body, and meeting Chrysler's Jeep output and quality goals.

Run Your Plant Better, Run Your Business Better - with Proficity Plant Applications

Discover the latest about Proficity's Plant Applications suite of Production Management Solutions. See how these integrated applications provide the broadest, best solution set in the industry today for helping customers meet their production, quality and growth goals and what we're doing

to make them even more powerful in the future. Also, learn how customers are integrating accurate, real-time production data from Plant Applications into their plant and corporate Business Systems through our proven Enterprise Integration practices – letting them run their plants better to run their businesses better.

Network Evaluation and Installation

Discover the best ways to network your application from I/O planning to MES connections. This in-depth session discusses key Ethernet and Control Memory Xchange (reflective memory) network performance and physical evaluation criteria, the type and use of test equipment and troubleshooting techniques — featuring examples from actual installations. Network security topics will also be discussed. This is vital discussion for those looking to upgrade or put in new networking installations.

Proficiency Historian – All Your Plant Data. All the Time.

Discover the power of Proficiency's market-leading Historian product. Get a glimpse of Historian's exciting new capabilities and learn why it continues to prove itself as an essential element in our customers' Manufacturing Systems strategies. If you're a Historian user, come to learn what's new. If you're new to Historian, come to see what you've been missing!

Implementation of a Validated, Integrated Automation System for an Entire Biologics Manufacturing Facility

Presented by Rick Pierro of Superior Controls Inc.

A truly paperless manufacturing facility for vaccines and monoclonal antibodies is presented along with the steps involved in its design and implementation. Wireless technology, barcode readers, mobile operator interfaces, as well as the integration of Proficiency, Proficiency Historian, work instructions, batch reports and MES software will be described along with their resultant functionality. An overview of the validation steps will also be presented.

Migrating to New Networking and Interface Architectures to Conform with 21 CFR Part 11

Presented by Les Haman of Matrix Technologies

This project involved the migration from an existing networking and interface architecture to a new architecture that conformed to 21 CFR Part 11 requirements. The scope of work included replacing the existing network architecture and adding a new redundant Data Server. This new Data Server provides the data repository for all monitored data points within the existing manufacturing facility and can accommodate future expansions. The new Data Server is used by the Environmental Monitoring System (EMS), the Process Monitoring System (PMS), and the TL Filling Machine Data Acquisition System (TLDAS). The network was constructed to adhere to all 21 CFR Part 11 requirements. This system was fully simulated at Matrix Technologies as part of the testing procedures. GE Fanuc's Historian was selected for the data repository for its compliance with 21 CFR Part 11. The project scope included modification of the EMS systems to adhere to 21 CFR Part 11 requirements. Approximately 300 Wonderware screens were converted to GE Fanuc's iFIX as part of this project. Along with the conversion, modifications were required to take into account security of the data and new programming and interface standards.

SCADA Remote Monitoring

This workshop will cover the full range of automation required to design and implement a Remote Monitoring solution. Concepts covered will include selection of a control platform for remote sites, handling connectivity from the remote site, buffering and managing data due to intermittent connections, local visualization, centralized SCADA visualization and management, and the retention and utilization of historical data that is "hole-free" in terms of continuity and completeness. Potential use of Proficiency Historian, Portal, iFIX, CIMPLICITY, QuickPanel View, VersaMax will all be included in design and on-hand discussions. Discussion of how to leverage existing investment by including third-party products will also be included.

Thursday Afternoon, June 1st

1:00pm – 4:30pm

Advanced PACSystems Programming

Featuring the PACSystems RX3i and Machine Edition, this workshop will provide you with instructor-led hands-on experience around the advanced Object Oriented programming capabilities. Hands on includes programming in FBD and Structured Text along with different data structures and the advantages to the Toolchest.

Proficiency HMI/SCADA – iFIX: Discover iFIX 4.0 and Other Hidden Treasures

In this hands-on workshop you will have the opportunity to discover first hand the great new features and benefits in the exciting new iFIX 4.0 release. In addition to the new release, we will also show you some of the "Hidden Treasures" in the product that can improve your development and operator productivity.

Proficiency HMI/SCADA – CIMPLICITY: Discover CIMPLICITY 7.0 and Other Hidden Treasures

In this hands-on workshop you will have the opportunity to discover first hand some of the powerful "Hidden Treasures" in the product that can improve your development and operator productivity. In addition, we will show you some of the new features being developed for the CIMPLICITY 7.0 release.

Thursday Afternoon, June 1st

3:00pm – 4:30pm

Automation Technology: Save Your Plant

Discover the realities of today's manufacturing climate, and how the latest automation technologies, particularly intelligent robots, provide manufacturers with the tools to be globally competitive. Topics will cover the latest advances in robotic technology including:

- Faster, heavy-payload robots
- Vision systems integrated into the robot controller
- Force sensor technology for touch and feel integrated into the robot controller
- Multi arm robots – multiple robots running from one controller
- Communication networks based on Internet standards
- Simulation – software for off-line robot programming

In addition, attendees will learn how intelligent technologies have been applied to create success stories for several North American manufacturers. These proven intelligent solutions can be applied to dramatically reduce manufacturing costs and help North American manufacturers improve their competitive position.

Lean Six Sigma

Mike Nolte, GE Corporate Initiatives Group (CIG)

Discover how GE uses Lean Six Sigma to drive Continuous Improvement and discuss what it can mean for you.

Using Design for Start Up (DFSU) and Global Equipment Interfaces to Boost Business Value and Minimize Production Downtime

Dave Jancosek, Vice President – Crown ESA

Ranked as one of the fastest growing companies in the United States, Crown ESA is a multi-discipline engineering and manufacturing firm – with expertise spanning nearly every industry. Crown's strength has been its ability to apply technology and develop solutions to increase productivity and reduce downtime through innovation. Crown has its own design / build capabilities from custom panel construction to machine manufacturing – and customers include BP Amoco, US Steel, Mittal Steel, Con Agra Foods, US Navy, Unilever HPC USA, RR Donnelley & Sons

Co., Mitsubishi-Hitachi Metals Machinery USA, General Dynamics – AMSEA, Harsco Track Technologies, and Build-A-Bear United States and all international locations.

Crown adheres to proven methodologies to increase business value and reduce downtime, and this presentation will introduce two of those concepts: Design For Start Up (DFSU) and Global Equipment Interfaces. DFSU is a process that minimizes implementation time and related downtime by designing control systems upfront to meet scheduling parameters through to commissioning – helping companies to maintain business productivity. In the second part of the presentation, Crown will explain how Global Equipment Interfaces can help companies leverage an installed base of I/O and drives while replacing obsolete controller processors for improved system performance.

Streamlining the Process-to-Packaging Information Flow

Doug Gray, Director of Process Control and Manufacturing Information Systems, Coors Brewing Company

Ranked among the top 10 brewers in the world, Coors Brewing Company prides itself on a reputation of uncompromising commitment to quality. In this presentation, you'll learn how Coors integrated its process-to-packaging information flow to accurately meet production schedules, eliminate batch overruns, and achieve real-time feedback on production schedule and status. The Coors ePAC, Electronic Packaging system, provides real-time, scalable, flexible monitoring feedback for production schedule management. In this solution that features Proficy Plant Applications, the team integrated production schedule management with SAP and layered on an existing historian to achieve real-time visibility into performance.

Proficy Production Management – Exciting New Capabilities!

Discover what the future of Production Management looks like – today. Learn how GE Fanuc is leveraging our leadership position in the HMI/SCADA and MES/EMI markets to give you the broadest, most complete solution set available. From our powerful new Workflow Engine to our cutting-edge User Interaction Paradigm, you need to see what's new with Proficy.

No Time for Down Time

Discover the advantages about the new PACSystems MAX-On for low cost redundancy to the advanced PACSystems High Availability – all using Ethernet for I/O control. Get a peak at the next generation High Availability System and how GE Fanuc is leaping forward in technology and value add for users.

Proficy Portal – Your Window to Manufacturing Intelligence

Discover how Proficy Portal is unleashing the power of manufacturing information for customers across industries around the world. Learn the value of connecting to the data and systems in your operations and transforming them into the meaningful information you need to make informed business decisions. Don't miss your chance to learn what Portal can do for you.

iFIX Replay Application

Presented by Michael Blechman, President; and Vic Ronchetti, Senior VP/Technical Director, Automated Control Concepts, Inc

ACC worked with a New Jersey transportation company to develop a SCADA application that performs both tracking and control functions. The SCADA application also monitors the electrical utilities for the system. As part of this effort, ACC developed a unique SCADA playback feature.

iFIX® Replay provides 'VCR-like' capabilities, animating iFIX graphics utilizing data stored in Proficy Historian®. This tool enables system operators to virtually go back in time, and view HMI displays as they were at a previous date/time, populated with historically collected data. Selectable time ranges and scales transform real-time displays into a historical video, with rewind, fast forward, and slow-play capabilities. This powerful tool can be easily integrated into new and existing iFIX applications without making any special considerations regarding screen design.

Leveraging Handheld Computers as a Distributed Control Room

Presented by Dave Stock of Innovative Control Inc.

Immediate and accurate access to information can be a critical issue in a modern manufacturing environment. This session will showcase how ICI has leveraged the power of iFIX on handheld computers. By dispersing control and visualization throughout the entire process, this strategy and solution has empowered operations to 1) Remain connected to their manufacturing areas 2) Reduce infrastructure costs and 3) Vastly improve decision making and execution capabilities.

Using Technical Support Tools Feedback & Training Session

Learn How to Use the “Now” and Help Us Shape the Future!

When you have a technical question or problem you want to get answers fast!!

Come to this session and learn the fastest, most effective ways to use common GE Fanuc support tools including:

- The technical support web page
 - o Creating & updating cases
 - o Searching for Answers
 - o Finding documentation
 - o Signing up for fix notifications
 - o Downloading fixes
 - o Sharing best practices with other users on GE Fanuc Forums
 - o Finding program information
- Black Box to create log files to aid trouble-shooting
- Remote access solutions such as Web-X, GoToAssist, etc.

Demonstrate to us how you use the support web site today and give us your insights as we plan enhancements, changes and additions to our tool collection. Speak with technical support engineers and management, and influence the future “real time”!

Thursday Evening, June 1st

5:00pm – 6:30pm

Pharmaceutical Manufacturing: Is Compliant Continuous Improvement an Oxymoron?

Paul Greene, Senior Director/Team Leader, Drug Product Automation, Pfizer Global Manufacturing

With products helping millions of patients every day, Pfizer is dedicated to humanity’s quest for longer, healthier, happier lives through innovation in pharmaceutical, consumer and animal health products. In this special keynote presentation, learn how Pfizer is meeting manufacturing challenges presented by an evolving global healthcare environment that challenges pharmaceutical companies to speed the introduction of new products to treat society’s most serious illnesses while continuously improving cost, efficiency and flexibility in an increasingly complex supply chain. Discussion will include continuous improvement in a compliance focused environment, automation and integration to achieve a deterministic cycle time and rapid deployment of standardized technologies.

Friday Morning, June 2nd

9:00am – 10:30am

Customer-Focused Manufacturing: Using Automation Technology to Increase Production Efficiency and Provide Real-Time Visibility to the Factory Floor

Peter Swartz, Director I/T, Dell Inc., and Clay Johnson, I/T Manager, Dell Inc.

Dell Inc. listens to customers and delivers innovative technology and services they trust and value. Uniquely enabled by its direct business model, Dell sells more systems globally than any computer company, placing it No. 25 on the Fortune 500. Dell’s climb to market leadership is the result of a persistent focus on delivering the best possible customer experience by directly selling standards-based computing products and services. Revenue for the last four quarters totaled \$56 billion, and the company employs approximately 65,200 team members around the globe.

Dell was founded in 1984 by Michael Dell, the longest-tenured executive to lead a company in the computer industry. The company is based on a simple concept: by selling computer systems directly to customers, Dell could best understand their needs and efficiently provide the most effective computing solutions to meet those needs. This direct business model eliminates retailers that add unnecessary time and cost or can diminish Dell's understanding of customer expectations. The direct model allows the company to build every system to order and offer customers powerful, richly-configured systems at competitive prices. Dell also introduces the latest relevant technology much more quickly than companies with indirect distribution channels, turning over inventory every four days on average.

The success at Dell could only be possible with customer-focused manufacturing that supports these core philosophies – and a team that has leveraged automation technology to exceed customer requirements and helped drive the company's growth. In this special keynote presentation, learn how Dell leverages CIMPLICITY – initially deployed as a pilot project on one line in one factory – to Dell's standard for factory automation. It is through this use of this technology that Dell is able to drive customer-focused manufacturing and achieve flexible Build-to-Order systems, worldwide. Using GE Fanuc software and services, Dell has increased production efficiency, gained real-time visibility into operations and the "state" of the factory floor, and provides up-to-the-minute information on where orders are within the manufacturing process. Currently, Dell uses CIMPLICITY to automate the flow of WIP and finished goods, to provide a pick-to-monitor solution that facilitates picking parts for each order, as a standard means for I/T systems to interact with devices on the production floor, and to provide Dell with an end-to-end view of key metrics across its factories. And, because CIMPLICITY is based upon an open architecture, it allows Dell to run on standards-based computing (Dell-on-Dell) allowing for quick deployment and a scalable environment.

Peter Swartz, Director of I/T and his Manager, Clay Johnson, will discuss how CIMPLICITY's role has evolved over the last 18 months and now plays a key role in Dell's initiatives to optimize factory processes, create exceptional customer experiences, and standardize its suite of I/T applications which run all facilities, globally.