



2004 – News and Announcements

12/06/2004 – Calgary Office expands to third floor.

At the beginning of December Hinz Calgary began occupying the newly developed space on our building's third floor. Up to this point we occupied the entire second floor, plus a large portion of the first. The new space (about half of the 3rd floor) allows us room for significant growth.

The new space features an open plan, with offices in the center core and cubes along the outside windows. The space is open to the roof, with a 20+ ft peak at the center. Several interesting changes from our previous floors were incorporated in the design.

Features include:

- A 20' x 28' presentation room with wall-to-wall panoramic white board
- A full kitchen with stove, dishwasher and more counter space to support functions in the presentation room
- Large, modern, upscale cubes
- Modular furnished offices with an partially open ceiling
- Frosted Hinz logo banner on all glass
- Dedicated lab space
- New boardroom

Here is a slide show tour of the new space:



11/29/2004 – Hinz Edmonton Office is moving.



Hinz Automation
News and Announcements

Hinz Edmonton – New Location!

Hinz Edmonton is moving to accommodate our office's continued growth. Our move will take place on **Friday, December 10th.**

Our new office location is at:

#330, 10403 - 172 St.
Edmonton, Alberta
T5S 1K9

Our phone and fax numbers remain unchanged at:

Phone: 780-489-8880
Fax: 780-484-1697

 [Contact Hinz](#)

 [Hinz Website](#)

From Friday, December 10, 2004 through Monday, December 13, 2004, our telephone and e-mail systems will be off-line. Therefore, if you have not already done so, please call our office at your convenience and obtain the cell phone number of any Hinz staff member that you may need to stay in contact with during this time.

Our most sincere thanks for your patience and consideration with us during this time.

The Staff and Management of Hinz Automation.

11/26/2004 – ConocoPhillips Niton facility DCS Project is a success.

The initial project of the ConocoPhillips/Hinz Automation PAC is up and running, the Honeywell Experion DCS system is the first of the projects completed by the PAC (Prime Automation Contractor) team. The project was kicked off immediately after the signing of the PAC agreement in June and successfully commissioned in early October.

This project had a very aggressive schedule and it was completed on time and within budget expectations.

10/20/2004 – LP's \$250 Million US Revitalization Plan.



Louisiana Pacific Corporation (LP) have committed \$250 Million US to the revitalization of their existing OSB plants. Their goal is to maintain their leadership position in the OSB industry by using the latest state of the art technology to reduce operating costs and improve product quality. As part of this revitalization plan, LP will be replacing three existing dryers with three new single pass dryers at their Dawson Creek plant. LP has awarded the dryer equipment contract to TSI and they have awarded the PLC and the HMI programming contract to Hinz.

10/04/2004 – Hinz Selected as Prime Automation Contractor for ConocoPhillips Canada Automation Initiative

In June 2004, Hinz Automation Inc. was selected as the Prime Automation Contractor for the program. [Click here for more details.](#)

10/01/2004 – Hinz Awarded Martco OSB Contract

Martco Limited Partnership, the manufacturing arm of Roy O. Martin Co. will be building a new OSB plant at Oakdale, Louisiana. At full production capacity, the OSB plant will utilize about 1.7 million tons/year of small diameter pine pulpwood and produce 850 MMSF/ year (3/8 inch basis) of OSB board. The plant will employ 140 hourly and 30 salaried personnel. This is Martco's second OSB plant. Their first plant is located in Le Moyne, LA and produces 375 MMSF/year.

Martco awarded the power and control engineering contract to Hinz based on Hinz's positive business approach and Hinz's reputation as a leader in the design of control systems for the OSB industry. Hinz will be responsible for the power design and the detailed control design and programming of all process areas except for the forming line and press.

08/09/2004 – Alyeska Pipeline Contract Awarded to Hinz

Hinz has been awarded the Trans Alaskan Pipeline System (TAPS) Strategic Reconfiguration Project pump station automation and existing facilities electrical engineering contract. Click [here](#) for the details of this significant project.

06/28/2004 – Rutherford Creek Hydroelectric Project - The power is flowing

The Rutherford Creek project has successfully completed the trial test which required the generator to operate continuously at full load for a 72 hour period. On June 1, 2004 the plant started to commercially produce power. The plant will generate enough electricity annually to meet the needs of about 7,000 households.



The Rutherford Creek Hydroelectric Project is a run-of-river hydroelectric development. The project comprised of a 9 km pipeline diverting water to a new powerhouse which houses two 25 megawatt generators.

Hinz was responsible for the design, supply, testing and commissioning of all protection and control systems for the plant.

06/22/2004 – Hinz Automation joins the Space Race

The X-prize is a \$10M US prize to be awarded to the first non-government group to successfully launch a manned vehicle on a sub-orbital trajectory, and then do it again within two weeks (www.xprize.org).



Since the prize was announced, 26 teams from around the world have registered with the X-prize foundation. Included in this group is the Canadian DaVinci Project. Hinz Automation has recently joined the DaVinci project as a Diamond level sponsor, as well as providing engineering services for various aspects of the flight vehicle and support equipment.



The Ansari X-prize was established in the mid 1990's by a group of businessmen with a vision for what space flight can be. This vision parallels that of the businessmen in the 1920's who created the Orteig Prize of \$20,000 for the first solo crossing of the Atlantic by airplane. Charles Lindberg's successful crossing ushered in the era of commercial aviation, just as we now stand on the edge of commercial space flight.



Hinz will be providing engineering for several aspects of the Davinci Project's manned suborbital flight. We will be developing the mission control uplink computer operator interface. This is the means of communication to the spacecraft in flight using satellite communications. Hinz is also developing the level monitoring system for the main rocket body Nitrous Oxide tank, as well as specifications for various sensors associated with the rocket engine and reaction control system. A complete sensor simulator to allow the flight control computers to do dry runs prior to launch is also being developed and provided by Hinz Automation using hardware supplied by Rockwell Automation and Westburne Electric.

06/21/2004 – Chino I Desalter Expansion & Chino II Desalter

Hinz Automation Inc. has been awarded the contract to provide control system integration services for the Chino I Desalter Expansion and the Chino II Desalter greenfield facility. The City of Chino is approximately 90 miles north of the Hinz San Diego office.

Chino I is an existing facility that currently produces 8.6 MGD of potable water from ground wells through a reverse osmosis and blended water system. The expansion includes the addition of 3 new wells and an ion exchange unit that will increase the total output to 14 MGD. The expansion entails additions to the existing Modicon Quantum PLCs and a conversion of the existing FactoryLink HMI to Wonderware HMI.

Chino II is a greenfield facility that will supply a total of 10 MGD of potable water through both reverse osmosis and ion exchange from 9 ground wells. Chino II will include all new Bristol Babcock ControlWave PLCs with a Genesis32 HMI.

This project will require Hinz to conduct 2 parallel projects and to achieve completion dates of January 2, 2005 for Chino I and November 13, 2004 for Chino II. Hinz has teamed with Separation Processes, Inc. (SPI). SPI is an independent consulting engineering firm that specializes in the development and application of membrane treatment processes for municipal water and wastewater treatment, and also the original design engineering firm for the reverse osmosis systems at both Chino I and Chino II.

06/01/2004 – MLOSB Grand Opening - "The Plant that Continues to Amaze"

In August of 2003, Meadow Lake OSB plant started producing Oriented Strand Board (OSB). The plant had an amazing start up exceeding all production targets and had a positive cash flow within the first month of production, achieving an 82% production level for the month of February, 2004.

To celebrate this record breaking achievement, MLOSB invited all the major vendors and consultants to the "Grand Opening" of the plant. The Grand Opening took place on May 29th, 2004. The weather was rainy that day but it did not dampen anybody's enthusiasm about being associated with such a successful project.



Ribbon Cutting Ceremony (Click to enlarge)

L to R: Rick Huff - OSB General Manager, Maynard Sonntag - MLA, Lorne Calvert - Premier of Saskatchewan, John Thorlakson - President, Ricardo Hillmann, Plant Manger.

05/25/2004 – BC Hydro recognizes Hinz as a Power Smart Alliance Consultant



BC Hydro has recognized Hinz as one of the leaders in the development of energy efficient designs and we are now officially part of their Power Smart Alliance.

The Power Smart program was launched to assist both commercial and industrial facilities in reducing their power consumption. The Power Smart program has been a

win-win situation for both BC Hydro and their customers. Their customers benefit due to increased energy efficiency and lower operating costs and BC Hydro benefits from the power saved, therefore not having to make huge investments in new electrical generating facilities.

As an Alliance member, Hinz is authorized by BC Hydro to conduct power studies that will identify energy saving opportunities. BC Hydro will provide matching funds to qualified companies that conduct a power study on their facility.

05/11/2004 – MU selects Hinz



The University of Missouri at Columbia announced the award of a multi-year agreement with Hinz Automation Inc of Minneapolis, MN for the Replacement of an existing DCS System in the University Powerhouse complex.

Hinz was selected over the other competition to provide consultation services for the duration of the overall DCS system upgrade for the powerhouse. The installed equipment on site includes five boilers, four steam turbine generators and associated equipment for their coal fired boilers.

The existing Bailey NET90/INFI90 control and SCADA system will be replaced in phases over the five-year period. The scope of the project includes updating system documentation, the replacement of the existing DCS system, the revision and updating of all HMI's, the inclusion of other associated equipment such as the campus substations and the upgrading and replacement of most instruments. Hinz will be involved in all aspects of this on-going project to include platform selection, instrument selection, configuration and programming and in network selection, design, programming and implementation.

05/11/2004 – Great Mountain Poultry Farm - Taiwan

The Great Mountain Poultry Farm has over 500,000 chickens and is considered to be the largest and most sophisticated egg producer in the Asia Pacific area. The Chen family started the farm in 1958 and is committed to setting the highest standards for hygienic, healthy eggs. In order to reach this goal, their farm uses state of the art techniques and technology. The Chen family has awarded Hinz the contract to work with them in developing a control methodology that will be used in the next generation of poultry barns.



Each barn houses 60,000 chickens.

04/27/2004 – Eric Olson, Process Safety Technologist for Hinz Automation, presents white papers on Safety Instrumented Systems and Risk Reduction.

"It is a common misconception that process facilities with rigorous process safety systems have a competitive disadvantage because of the cost of installing and maintaining such systems. Process industry players in North America look to future government regulation as the only hope to level the playing field, so to speak. The simple truth is that any company having a process risk management program will have a tremendous advantage over those competitors who choose not to."

**• White Paper #1
"Risk Reduction Through SIS Implementation"**

This document helps process engineers to understand how a process safety program can work favorably for them.

**• White Paper #2
"Risk Reduction Financial Analysis"**

This document is aimed at helping the business managers and directors understand the implications of not knowing exactly what their plant's risk exposure may be. It then goes on to explain how the addition of a properly fitted safety system can improve their

company's profit margin.

03/19/2004 – Cariboo Pulp and Paper Co. – Tie Line Controller Replacement Project

Cariboo Pulp and Paper Co. have awarded Hinz Automation the contract to design their new Tie Line Controller. The existing GE Tie Line Controller was installed when the plant was built in 1971 and was designed to manage the power supplied from their 33 MW turbine generator and the Utility transformer. The existing controller will be replaced by a new GE 90/70 PLC system.

The new control system will have several enhanced features over the existing controller. As an example, the new load controller will be designed to optimize the generator power output within the constraints of the power system demand, steam availability and turbine loading. By optimizing the power output from their generator, the plant will reduce their imported power requirement from the local utility company by 2,500 MWH per year.

03/15/2004 – Hinz at ISA 2004 in Edmonton

Come see us at ISA 2004 in Edmonton at Northlands Park on April 21 - 22nd, 2004. For more information on the show go to:

www.isaedmontonshow.com

Visit Booth I8 - Hall CW

02/13/2004 – ConocoPhillips Canada's Wembley Facility gets PI



The PI implementation at the Wembley facility is completed and awaiting deployment to the plant later this month.

As part of our ongoing work with the Conoco Phillips (CPC) Wembley Gas Plant, Hinz was tasked to integrate an OSI Software Process Information (PI) Historian into Conoco Phillips I.T. infrastructure, for sharing plant process information to CPC corporate users.

Hinz staged a full SCADA, DCS and PI Historian system at the Hinz office using new and existing equipment. The reason for this was to fully test the systems in Calgary in

order to minimize field cutover time and plant disruption. Our concern was that a major scope change was added along the way to upgrade all process computer operating systems to Conoco I.T. accepted standards, to upgrade SCADA from Plantscape to Experion and to upgrade Delta-V v5.1 to v7.2. So there were a number of plant control systems that were involved in this original PI initiative.

The PI Historian was configured to act as a central repository of all Honeywell Experion SCADA and Delta-V DCS information.

02/10/2004 – Weyerhaeuser Hudson Bay OSB2000, Motion Control Upgrade project

Hinz Automation Inc. is in the commissioning phase of a project at the Weyerhaeuser Hudson Bay, OSB2000 board plant, to replace the existing motion control system.

The original system is based on the IMCS platform, and controls 19 axes of movement. The new system is based on the Rockwell Automation ControlLogix motion control modules, and now integrates seamlessly with the existing ControlLogix system in the plant. The changeover to the new ControlLogix system is being accomplished by converting axes in small groups during scheduled maintenance periods every two weeks. Thus the conversion is not affecting production. Furthermore, the conversion is being done in a manner which allows the system to revert to the original IMCS should a problem arise while commissioning the new ControlLogix platform. When the conversion process is completed, the IMCS will be decommissioned.

The new ControlLogix platform allows the operators and maintenance personnel at the plant to have a much better understanding of the motion control system, since the tools they are already familiar with are the same tools which are used to program and configure the motion control system.

01/14/2004 – Shell Canada Limited has another Rockwell ControlLogix based Safety Shutdown System



The Peace River facility is getting a new Safety System to oversee their Gas Fired Heater. This will be the second such system installed in a Shell facility with the Rockwell TUV SIL 2 approved ControlLogix Platform. The first being the inaugural installation at the Jumping Pound (east of Calgary) Facility which was commissioned mid 2003.