

# success stories

## Sharp Planning Keeps Large Projects on Track



K2 Esterhazy



Safety is priority 1

Mosaic K1 is part of the largest potash mine in the world. With their sister mine, K2, they have the annual output in excess of 5.3 million tonnes. The mine was opened in the late 1950s and has since won the John T. Ryan Safety award 8 times. Mosaic takes mine safety very seriously! With over 700 employees and numerous outside contractors on site, their life safety system needs to be fast, reliable and easy to use. That is where Troy comes in!



The project started in 2001 with a phased implementation of a replacement for their Pyrotronics System 3 with EST-3 product. At that time the intent was to purchase a control panel every six months or as needed. Due to their expansion plans we put forward a proposal to accelerate the project. We proposed a three phase approach:

Phase one: integration of their existing equipment (network and reprogram as necessary).

Phase two: replacement of all the control panels and code compliant field device locations (in addition we would provide a turnkey solution for the installation and engineering).

Phase three: bring all detection and signaling into compliance with ULC requirements.

The meetings to finalize this plan were completed in March of 2009 and the purchase order was issued in May. Construction schedules were agreed to with site personnel and the work began. A planned maintenance shut down in July was carefully managed by working closely with the engineering team, custom design, customer service and the installing contractor. The completion date was improved due to our initial investment in planning, this has also resulted in on site labour savings. Phase three is expected late 2009 or early 2010.





# national life safety and property protection



## Fire

- Control Panels (small, mid-sized and large systems)
- Detection (Smoke Detectors, Heat Detectors)
- Signaling (Horns, Strobes, Speakers, Fire Alarm Stations)
- Graphic Annunciation
- Central Station Monitoring
- Thermocable
- Air Sampling Detection Systems
- Gas Detection

## Sprinkler

- Sprinkler Design, Installation and Maintenance
- Standpipes
- Fire Pumps
- Antifreeze Loops
- Kitchen Hoods
- Foam Systems
- Special Hazards

## Service

- Emergency service by certified factory-trained technicians working with sophisticated inspection equipment and comprehensive skills
- Preventive Maintenance Agreements that protect your investment and are tailored to your system
- Specialize in Fire Alarm Inspection and Repairs, Sprinkler Systems, Back Flow Devices, Fire Pumps, Central Monitoring, Security, Fire Extinguishers, Nurse Call, Communications, Emergency Lighting and Exit Signs, and Fire Safety Plans

## Security

- Access Control
- Intrusion Alarm Monitoring
- Integrated Photo Badging
- Elevator Control
- Video Integration
- Intercom
- System Integration

## Signaling Products/ Distributor Products

- Audible Signals
- Visual Signals
- Hazardous Location Signals
- Fire Protection Equipment
- Clocks
- Security, Annunciation and Nursecall
- Mass Notification Systems
- Pushbuttons, Transformers and Utility Boxes
- Emergency Lighting and Exit Signs

## Nurse Call and Communications

- Nurse Call
- Emergency Call
- Wander Prevention
- Asset Tracking
- Access Control
- Emergency Voice Paging
- Intercom
- Commercial Sound
- Time Keeping
- Management Reporting
- Redundant Configurations
- Central Station Monitoring

## Energy Management Systems

- UPS Systems
- Energy Audits
- Integrated Wireless Networks
- Occupancy Sensors



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