

A Life-Safety Partner Across the Full Mining Lifecycle



Extraordinary Protection for the World's Toughest Business

There's nothing "routine" about mining. Every project is unique, with its own set of geological conditions, environmental hazards, health risks, and insurance and financing requirements. It takes special expertise to design, configure, install, service and support a comprehensive life-safety solution that addresses all of these requirements – reliably and cost-effectively.

It's critical to have a life-safety partner who understands your needs and can support you throughout the mining lifecycle. Tyco Integrated Fire & Security is uniquely qualified to be that partner, helping to protect people, property, production, and the environment so you can concentrate on what you do best – extracting resources from the Earth.

Tyco Integrated Fire & Security Stands Alone

Tyco Integrated Fire & Security is unique among life-safety providers because we possess the full breadth of capabilities, experience and technologies necessary to support mining operations from start to finish – whether you're mining bauxite, metals, industrial minerals, coal, or tar sands. Our strengths include:

A complete product and solutions portfolio:

Mining operations face hazards as diverse as combustible gases, vehicle fires, toxic chemical spills, and vandalism – often in environments far from public infrastructure and safety services. In the event of an emergency, you need to be able to identify

the threat, communicate to all concerned, and minimize the impact to people, property, and mining operations. Tyco Integrated Fire & Security's product and solutions offerings span all of these needs and include:

- Fire protection: fire detection and alarm, fire sprinkler, fire suppression, fire extinguishers, gas suppression systems, and foam deluge systems.
- Security: access control systems, including safety credential verification, and perimeter protection with infrared cameras
- Life Safety: mining-compliant breathing apparatus and personal protective equipment
- Communications: emergency communications, mass notification and plant warning systems.

Integrated systems for total control and coordination:

In mining environments, Tyco Integrated Fire & Security delivers highly integrated and interoperable life-safety solutions. Every component—from gas and flame detection to alarms and access control systems—can be linked and monitored, along with other control systems, from a central command and control center. This tight integration and interoperability is key to providing a swift, coordinated response to problems, protecting lives and property, and minimizing the impact on mining operations.

Local expertise wherever you go: Other life-safety providers rely on third-party field resources for on-site service, and they

Customer Benefits:

- // Provide swift response to problems while minimizing impact on mining operations
- // Depth of knowledge helps save time, reduce costs and keep operations up and running
- // Flexibility to structure financing to meet your operation's unique needs

may not have the training and experience to master all products and systems. Not Tyco Integrated Fire & Security. Our work is performed by our own highly skilled, highly trained field staff. We take pride in understanding the specific requirements that relate to mining, whether they be from states, provinces or the Mine Safety and Health Administration (MSHA).

Proven mining experience: At Tyco Integrated Fire & Security, our depth of knowledge can save you time and costs throughout the lifecycle, because we neither over-design systems or under-protect you from hazards. Above all, we understand your imperative to keep operations up and running.

Financing Solutions: It's impossible to control every variable in mining. That's why you need partners who have the flexibility to structure financing to meet your operation's unique needs. Tyco Integrated Fire & Security can work closely with you to get the financing you need on manageable terms.

Practical knowledge that brings added value: Creative problem-solving is key to our ability to deliver life-safety solutions at the most reasonable cost. With our understanding of codes, insurance requirements, and technologies, we often find effective ways to keep costs down and deliver more value.

A commitment to partnership: At Tyco Integrated Fire & Security, our goal isn't to sell you products—it's to help ensure your success. We advance safety and security by finding smarter ways to support your operations and protect your environment. We approach every mining project as a partnership—and we're here to help you at every step along the way, providing the customized solutions, the expertise, and the responsive support you deserve.

Extraordinary value: In mining, knowledge and experience are everything. They are

essential to effective planning, swift and smooth start-up, productive operations, and thorough mineral beneficiation. Tyco Integrated Fire & Security brings that same level and knowledge and experience to life-safety—from start-up to reclamation to total shut-down. Because we understand the unique hazards of mining and the economic costs of lost production—and because we can help you take advantage of advanced technologies—we deliver exceptional value for your life-safety investment.

Partnering with You Throughout the Mining Lifecycle

Approval: Consultation, insurance- and regulatory-compliant design, and flexible financing support

Build: Pre-installation modeling and prototyping, installation by professional technicians, and creative problem-solving to minimize costs and improve protection

Operation/Production: Fire protection systems, mining vehicle fire protection, emergency communications, access control, breathing apparatus, gas detection, and thermal imaging for inspection and process control

Reclamation: Keep the site safe while equipment is removed, help restore the site, and comply with applicable environmental requirements.

Tyco Integrated Fire & Security: Your complete fire protection, security and life-safety solution provider

Tyco, a longtime global leader in the life-safety industry, serves over a million customers with best-in-class fire alarm, sprinkler, suppression, security, and healthcare communications solutions. As a Tyco business, we advance safety and security by finding smarter ways to save lives, improve businesses, and protect where people live and work.



With our total solutions capabilities, Tyco Integrated Fire and Security stands out as a single-source partner that can install and service all of your life-safety systems.

To learn more about our extensive offerings, call us at **1-800-565-5400** or visit **www.TycoIFS.ca**.

Tyco Integrated Fire & Security Canada
2400 Skymark Avenue • Mississauga, ON L4W 5K5
Tel: (905) 212-4400 • Toll Free: 1-800-565-5400

RBQ 3050-7412-83. Tyco © 2015. ALL RIGHTS RESERVED.
Tyco is a trade/service mark of Tyco International Services GmbH and is used under licence.
All other marks are the property of their respective owners.



www.TycoIFS.ca

MC140-2015-001_CA
0515