Rapid industry growth puts extra importance on protecting employees and equipment from electric hazards like arc flashes.

WHAT IS AN ARC FLASH?
An arc flash is a release of heat energy. They are often violent resulting in serious injury and even death.

MINING IS GROWING
Countries that are projected to make the largest investment in the mining industry between 2013 and 2030:

- CHILE
- PERU
- BRAZIL
- AUSTRALIA
- CANADA
- ARGENTINA

Mining provides resources necessary for everyday commodities and future technologies. As mining grows, companies want to protect employees from electrical hazards like arc flashes.

THE COST OF ARCFLASH
The average of lost work days for arc flash is 21 days

GE’S SAFETY RECOMMENDATIONS:
- Preventing arc flash incidents
- Attend IEEE Events
- Attend NFPA 70E training for qualified individuals
- Enroll in Plant Engineering’s Arc Flash University
- Evaluate your system for hazardous locations
- Calculate incident energy exposure and arc flash boundaries
- Use warning labels to indicate arc flash hazards

The Mincom Annual Study: Mining Executive Insights:
Experts predict the Canadian mining sector will create more than 3 Million Jobs and generate revenues of more than $100 Billion/Year over the next 5 years.

Australia’s mining industry employment rose over 75.5% from 2006-2011.

THE DANGERS OF ARCFLASH
As loud as a jet engine.

With a 700 mph, projectile-producing pressure, the blast wave can throw a person across the room.

ELECTRICAL SAFETY IN MINING
Brought to you by GE’s Industrial Solutions business

PREVENTING ARCFLASH INCIDENTS
ENSURE PROPER TRAINING
PERFORM HAZARD ANALYSIS
INTEGRATE ARCFLASH MITIGATION BY DESIGN

Consider arc resistant equipment for new installations
Install devices to deliver energy vs. contain energy
Solutions for fast fault clearing

IT IS YOUR MINE PREPARED FOR ELECTRICAL SAFETY?
www.geindustrial.com/arcflash
www.geindustrial.com/mining

For more information on arc flash and electrical hazards, visit www.geindustrial.com/arcflash, and to learn how GE is working with customers in the mining industry to reduce their risk of arc flash, visit www.geindustrial.com/mining.