**Underground Mine Uses of Electricity – How to Ensure Your Infrastructure is Up to the Task**

Modern underground mines are heavily dependent on reliable electrical power, controls, and communications.  These are becoming increasingly important to production’s bottom line as automation, electric equipment, and autonomous equipment become more available.  The successful implementation of new technologies assumes solid infrastructure. This presentation overviews the power, control, and communications infrastructure and provides practical tips and rules of thumb for providing an infrastructure that will meet the demands of today’s mines.

**About Julian Fisher**

Julian has lived in the United Kingdom, the Middle East, South Africa, and the United States. He’s worked in those regions and many others. His self-described “global perspective” helps him serve mining clients from across the globe.

With more than 30 years of experience in the mining industry focused on electrical engineering, Julian has led numerous projects in the areas of shaft sinking, hoisting, material handling, ventilation, underground rail, and power distribution.