

CASE STUDY

Roof and Rib Cuttable Support - Underground Coal Mine



- ▼ **LOCATION:** Australia
- ▼ **PROJECT TYPE:** Supply and Technical Support
- ▼ **PRODUCT USED:**
Titan Mine-Shield Grid™ - TE-MXR20PP



▼ **PROBLEM:**

Because conventional steel mesh is very heavy, and extraction involving cutting is laborious, the client was having a very difficult time with installation. Not only was it time consuming but the steel mesh wasn't able to retain loose rib material. The client was trying to find some innovative alternative rib control mesh, where these problems would be eliminated.

▼ **THE TITAN SOLUTION:**

Titan's Mine-Shield Grid™ TE-MXR20PP was used to replace the conventional steel mesh. Mine-Shield Grid™ is a high tensile strength polymeric bi-axial geogrid. It is fire-retardant, corrosion resistant, chemically and biologically inert. Not only is the Mine-Shield Grid™ much lighter than the conventional steel mesh, it is much safer to handle and faster to install.

▼ **ACHIEVEMENT:**

By using Titan's Mine-Shield Grid™ TE-MXR20PP it was possible to offer effective rib support. The installation time was much lower than installing the conventional steel mesh resulting in higher productivity and reduction of operating costs. The loose material was easily retained due to the greater surface coverage provided by the grid.

▼ **SUPPLIER:**

Applied Research of Australia Pty. Ltd. - Edinburgh South Australia

- ▼ **YEARS:**
2016-2018

Contact us for more information:

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