

Autonomous Mining Vehicle Remote Control Station

OVERVIEW

- System contains the software for commanding from a remote control station, autonomous movement of the machine, and ensuring safe operation of the machine all time by perceiving the environment.
- User Interface software provides the user with the underground machine status & diagnostics, video feed from the machine, current location of machine shown in the site map. User can control the machine remotely with a joystick or enable autopilot.

SCOPE

The following are the key activities in scope :

- Application software development for new feature developments
- Application software updates for feature enhancements
- Application configuration updates for change requests
- Application bugs to be resolved

TOOLS & ENVIRONMENT

- C++, Python
- Linux, CANoe
- Vbench, ET, A6Nx

