

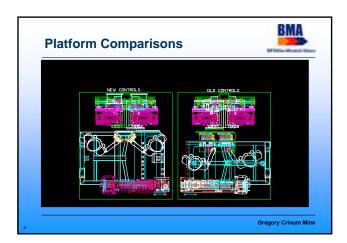


## **Old Platform**

Side view of the platform showing the limited space for two operators to work in. •



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## **New Controls**

- New Controls are 'V' shaped to allow better access to the bolter for the operator. The handle controls are for positioning the bolter only. •
- Push button controls for the drilling and installation cycles.
- Minimum oil flow at the operator platform due to high flow oil valves being mounted on the bolter.

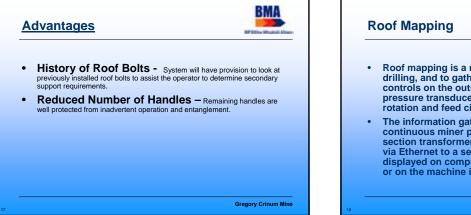


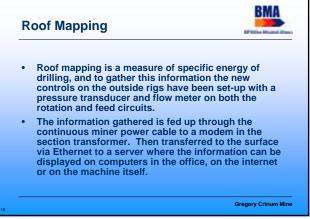
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## Roof Mapping

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- Crinum have a roof hazard map for all areas of the mine that shows the various roof strengths. The software has been designed to incorporate the hazard map and update the data onto the map on a shiftly basis.
- The data obtained through this will provide site geotechnical engineers with information about the immediate roof conditions and eventually enable calculation of empirical roof strength contours, optimisation of primary and secondary support in roadways and improve our understanding for future longwall mining risk.

Gregory Crinum Mine

