

Application Note IPR400

Russian Coal Mine Increases Efficiency with Radio over IP

Customer Profile

- Large Russian Underground Coal Mine

Application

- Connecting multiple mine shafts onto one communications network

Business Benefits

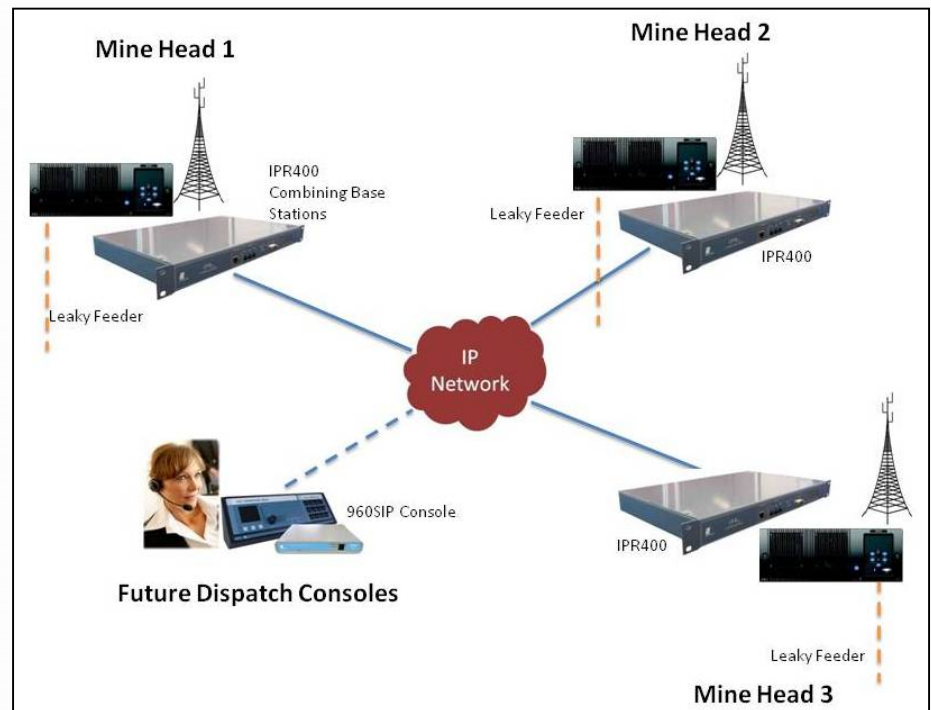
- Increase Management Efficiency with combined voice communications
- Highly Reliable and Robust
- Easily Expandable to meet future needs
- Flexible
- Cost-effective

Products Used

- IPR400

Overview

A large Russian Coal Mine has significantly increase their management efficiency by connecting their geographically separated mine shafts by Radio over IP, forming one interconnected network.



The Challenge

The challenge was to connect multiple repeater locations at each mine shaft to form one corporate communications network. Additionally each shaft consisted of a number of voice base stations.

Solution

IPR400's were set up at each of the mine shaft heads. The IPR400 can connect up to four repeaters with disparate radio systems such as UHF and VHF. These are then controlled and monitored by Radio over IP to the one centralised network. This has enabled common voice radio channels to be combined within the whole mine.

Conclusion

By combining voice communications, management efficiency has significantly increased. The mine is now looking to further upgrade their infrastructure by adding Omnitronics' IP dispatch solutions. By using Radio over IP, the network is easily expandable to meet these future needs.

Thanks to Akvarius and Mine Radio Systems for working with Omnitronics on providing an effective solution.

Omnitronics Western Australia
Phone +61 8 9445 2633

Omnitronics International
Phone +61 7 3369 5733

Omnitronics USA
Phone +1 904 425 0336

Email sales@omnitronicsworld.com
Web www.omnitronicsworld.com

