



ARDI-VE

FOR LONGWALL MINING

ASSET RELATIONSHIP & DATA INTEGRATOR

- VIRTUAL ENVIRONMENTS

WHAT IS ARDI-VE LONGWALL?

ARDI-VE is a visualisation platform that takes your big data and uses it to create an interactive three-dimensional, virtual representation of your longwall mining operations that responds to both live and historical data.

ARDI-VE brings all your data together and allows you to choose how you view your longwall mining operations. With complete control of your view in space, time, and measurement, ARDI-VE makes it easier for you to understand the critical information and make the key decisions that impact on your processes.

ARDI-VE gives you the flexibility to view your longwall from any perspective. Not limited to camera view, data points across your wall provide information when you need it.



VIEW 360 DEGREES



UNDERSTANDING BETTER



INTERACT & EVALUATE



COMPARE & TEST



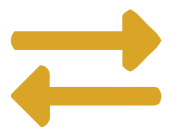
SHIFT TIME



REPLAY EVENTS



EXPLORE ASSET
RELATIONSHIPS



COMPARE ASSET
PROPERTIES

NO MORE MINING IN THE DARK!

ARDI-VE allows you to see your wall and all its vital information in one image, rather than only being able to see small sections of your complete operations.



Triple i are exclusive systems integrators for ARDI within Longwall Mining applications - helping you see more!

ARDI-VE LONGWALL BENEFITS

Understand by looking at the big picture! ARDI-VE differs from traditional systems, it provides a complete view of your longwall instead of smaller segments – meaning greater understandings of what is happening underground is delivered.

ARDI-VE allows you to compare your data with simulated, predicted, or ideal results, instantly highlighting potential issues and giving you their on-site location. Measurements across various data points provide greater context – an imperative when making decisions.

Not only does it encourage better setting for decision making, but it also provides a safer environment when investigating as manual processes and access are avoided. The efficiency of investigating, troubleshooting and decision-making processes are improved, providing opportunity to maximise production and optimise performance, saving you time and money.



IMPROVE USER AWARENESS

View data from many different information management systems in a single location and gain a new level of awareness.



ADVANCED REPORTING & MACHINE LEARNING

Create custom reporting or machine learning systems benefiting from various data sources. ARDI-VE offers a query language and API that shares information with other applications.



UNLOCKS YOUR HISTORY

Access more than charts when reviewing historical data. View a past shift, shear, or event from any point in time using 3D virtual environments - your camera footage too!



IMPROVES COMMUNICATION & COLLABORATION

ARDI-VE allows you to exchange knowledge and information freely with context. Your big data is easily understood by all levels of the organisation who are more engaged.



USER-CONFIGURABLE & MAINTAINABLE

Update, change and edit with ease - Add sensors, change manufacturers, move historical data and more without the need of vendor support.



UNDERSTAND DATA VISUALLY

Don't image the data, visually see the data. Values are not presented in numerical values, instead its visually shown against the asset.



MAKE SENSE OF BIG DATA

Absorb thousands of data points briefly, spot discrepancies and identify problems quickly. 3D modelling provides a perspective that 2D cannot.



MAKE IT YOUR OWN

Make additional changes to show details in other areas of your operations above and below ground. ARDI-VE is fully extendable to match your evolving needs.



OPTIMISE PERFORMANCE

Save time on tasks and maximise performance. Focus efforts on improving production output.



SAFETY & RISK MANAGEMENT

Be assured your staff work safely and reduce any risk of harm by minimising their time underground.



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