realwear

THE AVR LAB

Digital Transformation in Mining

Hands-free in-situ collaboration

Transform the way you approach maintenance, repair and operations with the voice-controlled RealWear HMT-1 and HMT-1Z1

Key benefits

Increase Maintenance Efficiency by Over 30%*
When workers run into a problem they can't fix, a remote expert can annotate on their computer screen or share technical documents through the HMT all while still on the call to troubleshoot the issue.

Decrease Inspection Time by 90%*
Ensuring production and operations equipment are maintained in an efficient state and in efficient working order is a time intensive process. With the HMT, workers can capture photos and videos, refer to documentation or troubleshoot with a remote expert.

Increase Safety Compliance by 70%*
Moving from a hand-held to a hands-free device, and removing the necessity for the worker to remove their gloves, enables workers to be fully protected while maintaining full situation awareness.

> **"A new era of computing has arrived. Just as laptops and mobile phones are standard for desk workers, voice command and augmented reality for wearable computers will become commonplace for field staff in our industry, driving safety and productivity."***
>
> Digital Realities Lead,
> Global Mining Company

RealWear HMT-1Z1
clipped to a hard hat

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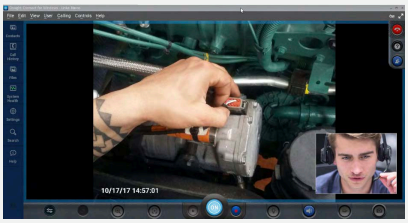
*Click link for full article

Digital Transformation with RealWear

Collaborate globally with reduced travel costs

The expert or the first line worker can initiate a call in-situ from anywhere in the world to resolve a complex procedure. Initiate the call with simple voice commands and dictation in 14 languages.



See What I See

The industrial worker can share their point of view instantly with the back office subject matter expert, like when using their hands to point to issues on a piece of heavy equipment, with full zoom features and high resolution smart camera.

Hands-free knowledge transfer and training

With skilled workforce retiring in the next five years, the number of workers will be reduced. With the HMT, skilled workers can capture content for future training and references.

Built for Industry

The HMT is suitable for use in the mining environment with IP66 rating for dust and water, and used in temperatures ranging from -20C to +50C. The HMT is also shockproof and can work with existing safety equipment, including those that wear glasses or protective glasses.

*Functionality dependant on deployed application

Applications

Operations:	Support operations inspections, capture instrument data, asset health, defects & faults
Maintenance & Asset Integrity:	Digitally assisted workflow to maintain production and safety critical equipment and capture maintenance evidence
Remote Assist:	Support of field workers in time of need without having to visit their site
Maintenance/Shutdown Planning:	Improve planning collaboration to reduce shutdown duration and start-up reliability
Automation/Process Control:	Visualise IIOT data in the field and to support remote operations
	Minimize downtime with autonomous rail and vehicle inspections with digitally assisted workflow
HSSE/Safety:	Hands-free audits and inspections, in-field training and emergency response support

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