



# Digital Transformation in Construction

Hands-free in-situ collaboration

**Enable industrial workers to use both hands for complex work procedures while remotely collaborating with subject matter experts**

## Key Use Cases

### Factory Production Review

Regular production site visits ensure the ITP through output is being used and the quality of production matches expectations. Introducing a way to monitor production on-line reduces travel requirements while ensuring quality is maintained. Commercially, travel costs can be reduced by around 75%.

### Factory Acceptance Testing

FATs are carried out to verify complex equipment is built and tested to the correct standards and specifications prior to being shipped out to site. Introducing a remote FAT implementation plan enables fast rectification of any non-compliances. Remote collaboration also expedites the on-site rebuild of equipment and corresponding completion of a Site Acceptance Test (SAT).

### Quality & Compliance

On-site quality inspections are carried out regularly depending on the scale of the project and require attendance of multiple stakeholders, typically requiring multiple visits. Remote collaboration reduces time lost due to notices required or non-attendance, improves productivity by reducing on-site inspections, and improves quality records.

“ The opportunities for us are endless and exciting; [RealWear's devices] will have a use on every project where we will also be able to share examples and knowledge across our projects. ”

This will enhance our digital transformation; it will be better for our people, enabling them to manage their time better, making them more efficient, safer and reduces our carbon footprint.

Operations Director,  
International consultancy & construction company



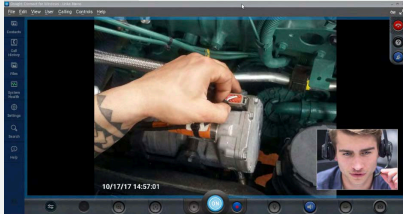
RealWear HMT-1Z1  
clipped to a hard hat

# Digital Transformation with RealWear



## Reduce travel costs and waiting time

Transform your business activities by removing unnecessary travel and visits to remote locations. The expert or the worker on-site can initiate a call in-situ from anywhere in the world to resolve a complex procedure.



## Perform electronic audits

The industrial worker can share their point of view instantly with the subject matter expert for visual inspection (sampling) and observation of work being performed. The expert remotely obtains audit evidence and objectively evaluates it in order to determine the extent of conformity to the audit criteria.



## Hands-free visual assist

Equipped with a high definition camera, photos and videos can be captured in hard-to-reach places like tunnels, towers, or behind large machinery and equipment. First line workers can also use the HMT-1 for hands free verification and visual documentation.



## Use with existing safety equipment

The HMT is shockproof and can work with existing safety equipment including those that wear glasses or protective glasses. The high-resolution camera records what the user sees, which can be transferred to the waiting customer, or the technical expert who needs to have input on the ongoing task.

\*Functionality dependant on deployed application

## Additional advantages of remote access monitoring:

- Building Control Inspections
- Overseas dry-lay stone reviews
- Progress and client vesting of materials off-site
- Site acceptance testing and commissioning
- Installation records/evidence for fire-stopping, defects, compliance, etc.
- Insurance inspections and records
- Training and familiarization
- Expert guidance
- Health & Safety Inspections
- Remote Site operational H&S, quality and progress reviews

### For more information please contact,

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