

Where AR/MR/VR actually earns its keep

Operations leaders do not need more pilots. They need fewer breakdowns, safer teams, and experts who can be “on site” without getting on a plane. This snapshot shows where immersive tech already moves MTTR, time-to-competence, incidents, and travel costs in real plants and field operations.



Asset uptime

“When the line stops, the business feels it.”

01

AR/MR + IoT: see what is failing, guide the fix, bring the expert to the asset without the travel.

02

In industrial maintenance, AR and connected devices have been shown to shorten diagnosis and repair times, leading to meaningful reductions in unplanned downtime and higher first time fix rate.

KPIs to visualize:

↓ MTTR

↑ MTBF

↑ FTFR

↓ Expert travel cost



Training & safety

“Some mistakes you cannot afford to make live.”

01

VR simulations: practice hazardous and complex tasks without realworld consequences.

02

Immersive training programs in high risk environments often see 30–50% faster time to competence and measurable reductions in errors and safety incidents when scenarios mirror real tasks and outcomes are tracked.

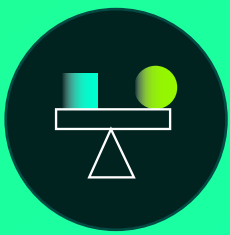
KPIs to visualize:

↓ Time to competency

↓ Training errors

↓ Safety incidents

↑ First-time pass rate



Remote expert support

“Your best people cannot be everywhere.”

01

AR remote assistance: experts see what the field team sees, draw on it, and keep work moving.

02

Organizations using AR for remote support report shorter resolution times, fewer repeat visits, and lower travel days per expert as more work is handled remotely instead of via on-site visits.

KPIs to visualize:

↓ Resolution time

↓ Repeat visits

↓ Travel days per expert

Turn proven use cases into your next pilot. The infographic shows where AR/MR/VR delivers shorter repairs, faster rampup, fewer incidents, and less travel. The Strategic Leader’s Guide takes the next step with step by step playbooks, implementation roadmaps, and an ROI framework you can share with finance, IT, and HSE.

GET THE PLAYBOOK TO BUILD YOUR XR BUSINESS CASE