



AR TOOLS FOR THE INDUSTRIAL WORKFORCE
 FASTER. SAFER. SMARTER.

Enterprise Focused Solutions

AR FOR CONSUMERS



Apps & Content

Gaming
 Toys and home
 Social experiences
 Education

AR/VR Studios

AR FOR BUSINESSES



Developer Kits

Simulations
 Museums
 Trade shows
 Future concepts

AR Agencies



Workforce Products

Facilities and assets
 Field service
 Training
 Production workflow

DAQRI

Customized Project Development

Out of the Box, Configurable Products

DAQRI PRESENTATION - HIGHLY CONFIDENTIAL

DAQRI

THE LEADER IN PROFESSIONAL GRADE AR

FOUNDED
2013

HEADQUARTERS
LOS ANGELES WITH
OFFICES IN DUBLIN,
UK, VIENNA



100+
EMPLOYEES

165+
PATENTS
ISSUED OR
PENDING



100+
CUSTOMERS

KEY PARTNERSHIPS:



KEY INDUSTRIES:

AUTO
ENGINEERING
MANUFACTURING
FIELD SERVICE
PHARMA



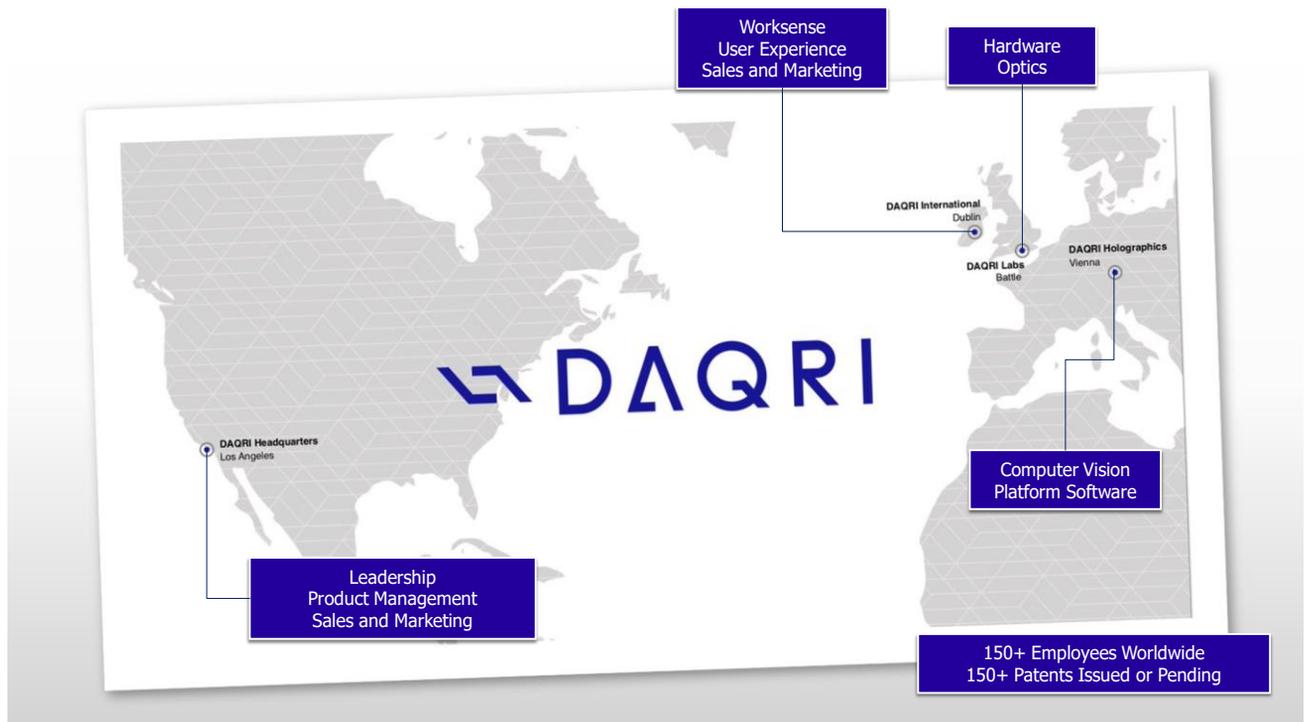
<https://youtu.be/X8iME1YxEA8>

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PROFESSIONAL GRADE AUGMENTED REALITY

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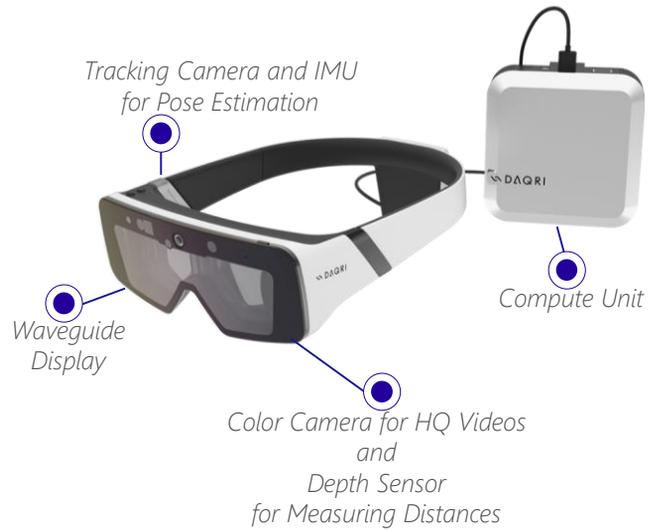
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Platform & Technology



DAQRI Smart Glasses

- Notebook class processing power
- High resolution, wide FOV stereo display
 - 1360x768 at 90Hz with 44° diagonal FOV
- Sensing and scanning
 - Sensors for pose tracking, scanning, video
- Lightweight, comfortable form factor
 - 300g glasses, 400g belt-unit
 - Peripherals (GPS, keyboard, etc.)
- Application Development
 - Unity Extension
 - Native C++ API
 - In-house or Contractors



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DAQRI WORKSENSE™

DAQRI_WORKSENSE_VIDEO <https://youtu.be/GqdpGOnkuzE>

INDUSTRIAL PROBLEM

WORKSENSE™ APP

"I need to SHOW OTHERS THE ISSUE in front of me so they can help me solve the problem."	SHOW	
"I need to MAINTAIN EQUIPMENT TAGGED with priority data."	TAG	
"I need to REVIEW A DESIGN for quality before I build it."	MODEL	
"I need to SCAN AND CAPTURE my surroundings."	SCAN	
"I need assembly steps to GUIDE ME without error."	GUIDE	

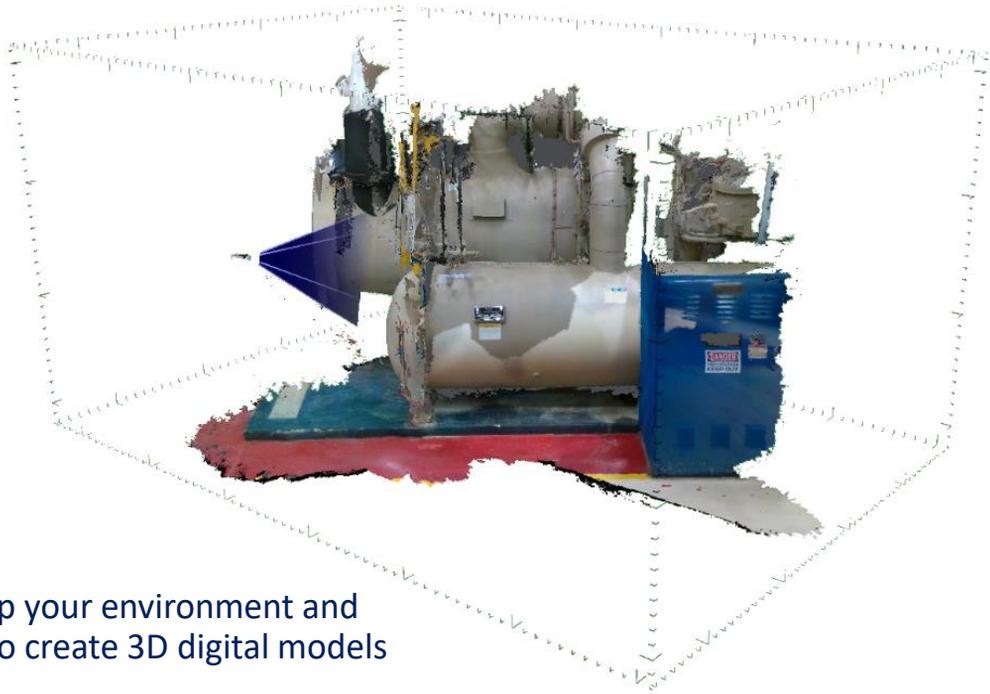


SHOW

Minimize downtime, bring remote people to problems and provide more effective support

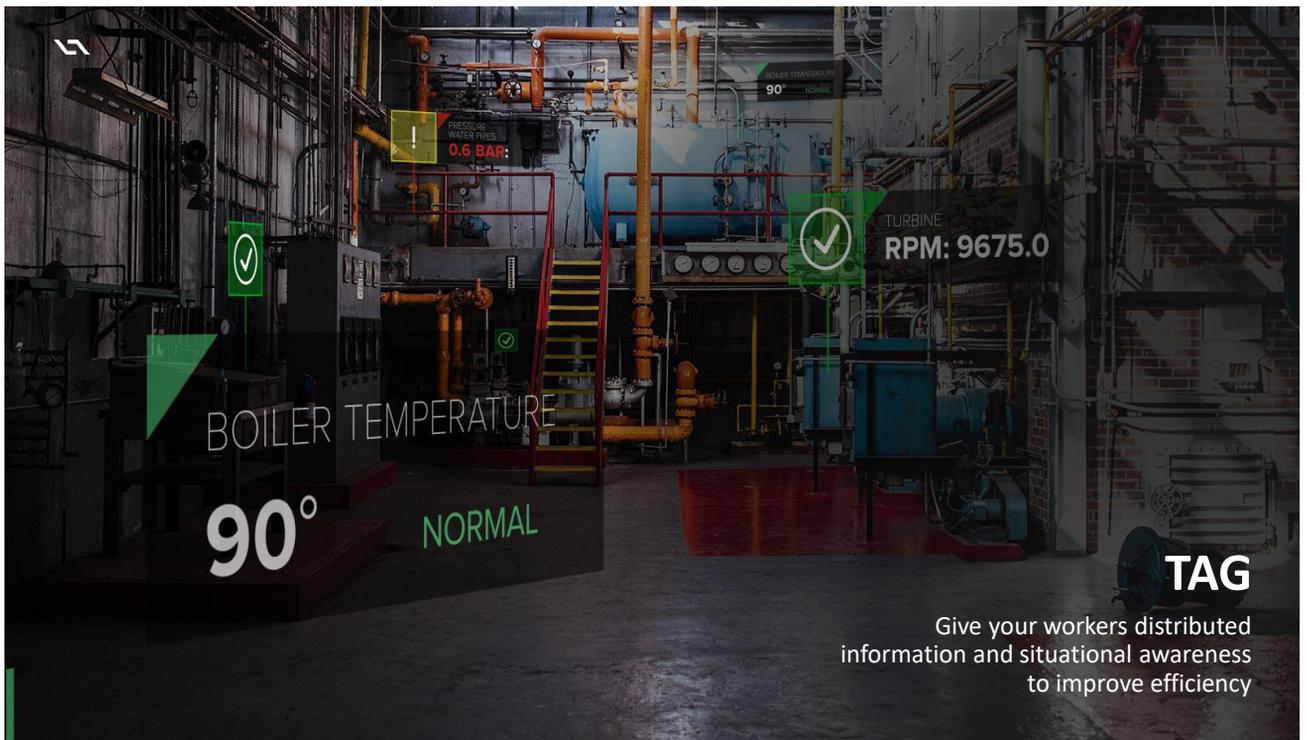


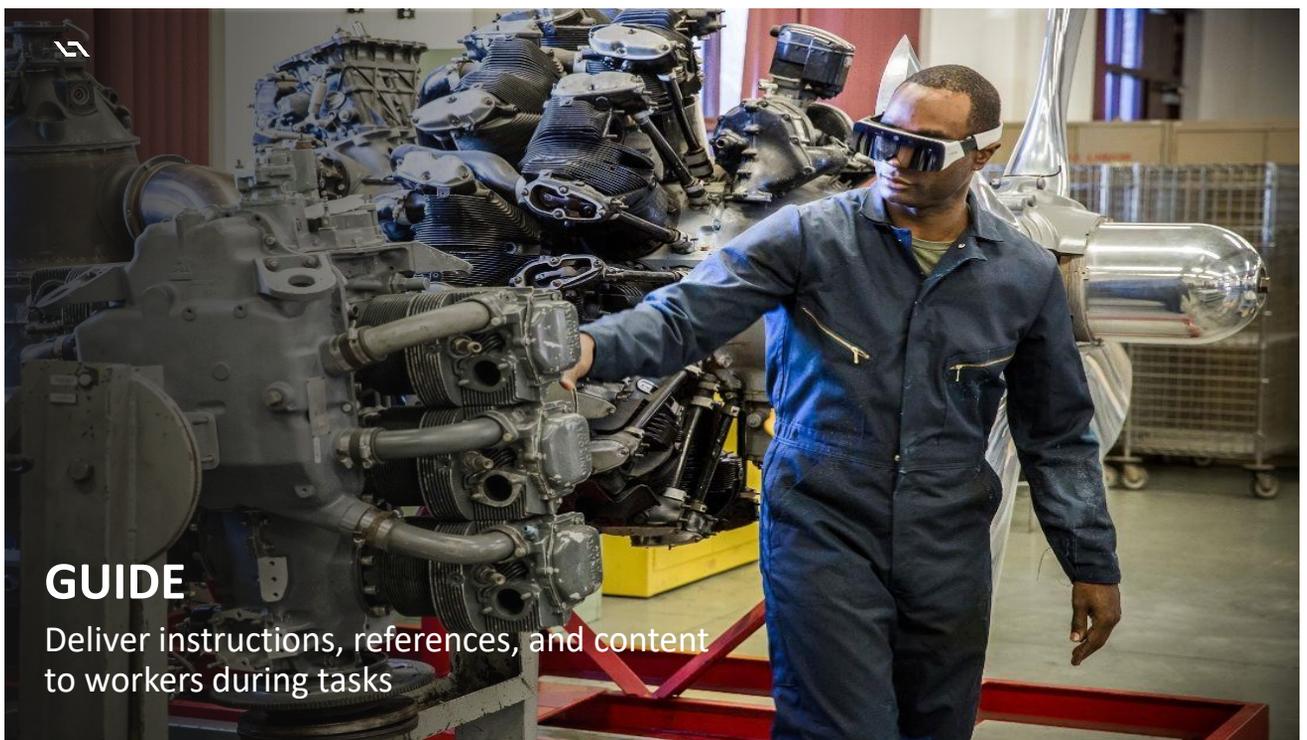
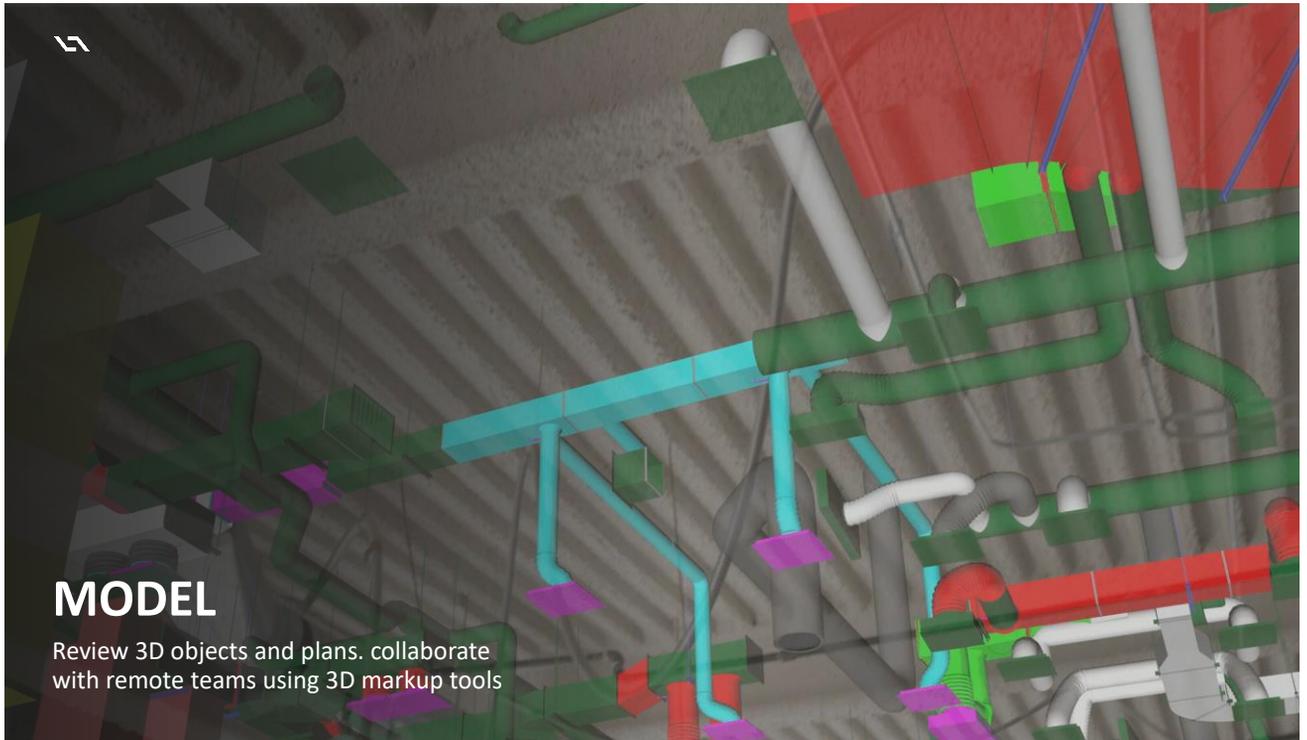
Instantly map your environment and equipment to create 3D digital models



SCAN

Instantly map your environment and equipment to create 3D digital models







Custom Apps

Build custom AR apps with the DAQRI Vos™ Extension for Unity

DAQRI

Solving Real Problems



AR is Solving Real Problems

DAQRI has been partnering with Siemens to study the effect of AR on three industrial use cases:

- Yaw Motor Servicing
- Wind Turbine Hub Inspection
- Gas Burner Assembly
 - Paper submitted to CHI'2018 detailing these real world customer proof points & learnings



Yaw Motor Servicing



Wind Turbine Inspection



AR is Solving Problems – Gas Turbine Servicing

Gas Burner Assembly

Normal Technician
Training Process:

- 6 weeks in the classroom
- 7 weeks of hands-on training
- On the job training with someone more experienced
- After 3 years, certified as turbine fitter





GAS TURBINE ASSEMBLY & MAINTENANCE

SIEMENS



Value range: time to first assembly, reduced errors, and training ease



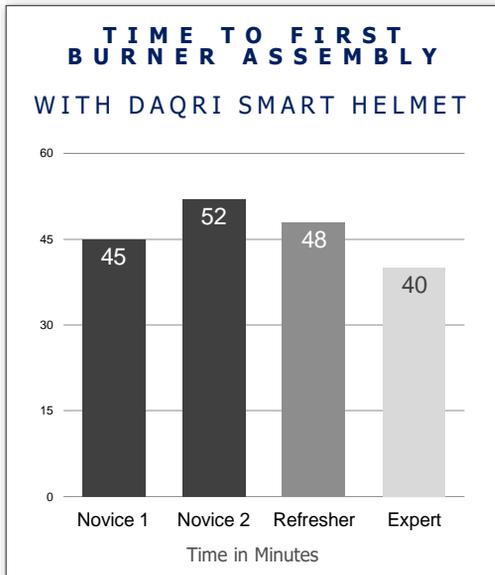
WIND TURBINE HUB INSPECTION

With DAQRI AR

SIEMENS



Time for Gas Burner Assembly with AR Support



DAQRI
 REVOLUTIONIZING THE INDUSTRIAL WORKFORCE
 DAQRI IS TRANSFORMING COMPLEX BUSINESS PROCESSES & TASKS WITH HANDS-FREE AR SOLUTIONS

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RESEARCH



Research at DAQRI

- Computer Vision (Austria)
 - Inside-out pose tracking (VIO, SLAM)
 - Dense reconstruction (structure, color, thermal) and analysis
 - Object detection
- AR Systems (Austria)
 - Latency
 - User interfaces
- AR Hardware (UK)
 - Small and efficient hardware designs
 - Optics & displays

CONTACT

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