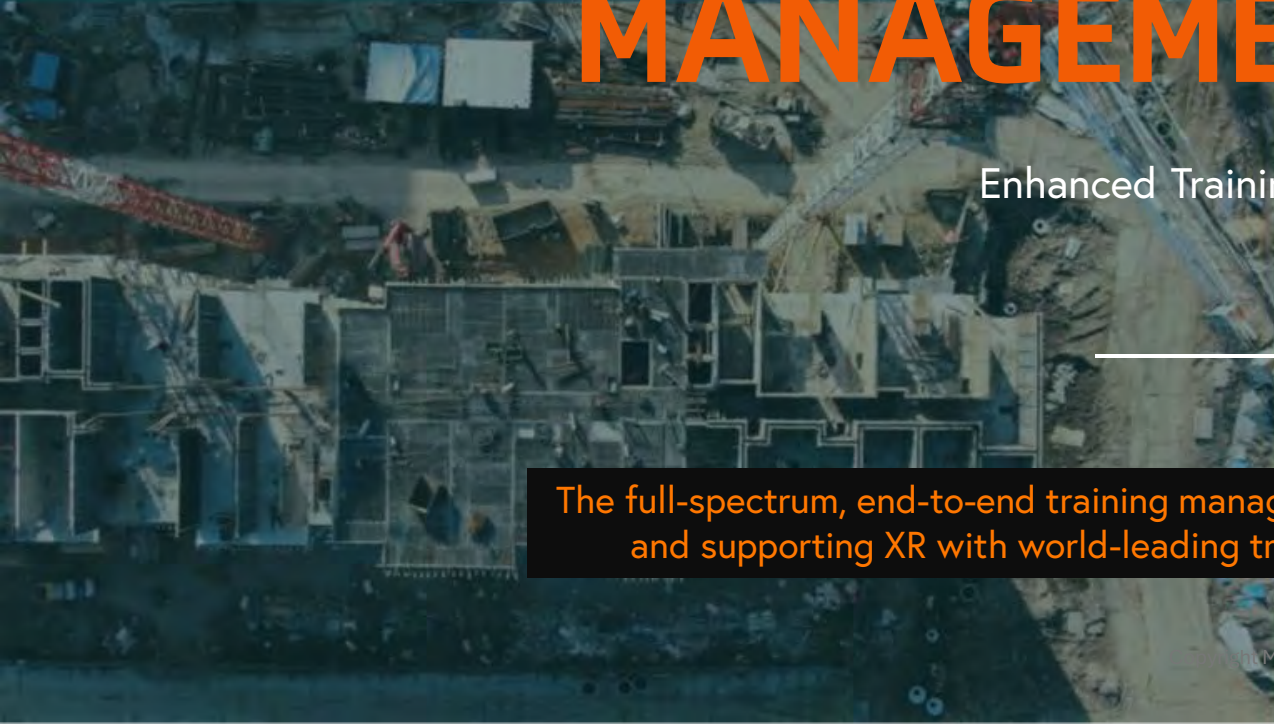





# THE AI & XR POWERED TRAINING CONTENT MANAGEMENT SYSTEM



Enhanced Training, Future Ready

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The full-spectrum, end-to-end training management ecosystem powered by Generative-AI and supporting XR with world-leading training content management capabilities.

# Our Experience

## Norway Ministry of Justice

Workbit's experience working with the Norwegian All Weather Search and Rescue Helicopter (NAWSARH) provided a proving ground for the MAXRES Construct, our TCMS. NAWSARH benefitted from our unique solution, enabling faster development and delivery times, and "Author Lite", a limited version of the platform that facilitates auditable customer quick edits that doesn't affect master courseware.

## RAF/CAE

FBS provided the first MOD headset based, Embedded Virtual Instructor Training (EVIT) system to the Chinook and Puma OCU. This has allowed a reduction in simulator hours on both fleets and an increase in standardisation.

## Leonardo Helicopters

Workbit worked with Leonardo Helicopters (LH) in November of 2020 to replace IBM's Kenexa LCMS and to provide significant capability updates to their UK training academy. LH now boasts several training programs built with MAXRES Construct, providing unparalleled training content management capabilities.

## Thames Valley Air Ambulance

MAXRES worked closely with Thames Valley Air Ambulance clinical and aircrew teams to provide EVIT in both areas. This has allowed skills and competencies to be completed solely through use of headset-based training, saving time, money and effort.



LEONARDO



THAMES VALLEY  
AIR AMBULANCE



# Partnering With

**Microsoft:** As members of the Microsoft AI Cloud Partner Program, we leverage Microsoft Azure OpenAI to provide secure, cutting-edge large language model (LLM) services, ensuring robust and advanced enterprise solutions.

**NVIDIA:** MAXRES partners with NVIDIA through their Inception Program to leverage preferential pricing and expert advice on AI hardware and software. This collaboration enhances our ability to provide state-of-the-art, AI-driven solutions, ensuring robust and advanced enterprise capabilities.

**Mission Decisions:** MAXRES partners with Mission Decisions to deliver MIL-SPEC, secure LLM solutions for aerospace, defence, and intelligence sectors, enhancing our ability to provide cutting-edge, AI-driven solutions for Aerospace, Defence, Security, and Intelligence.

**Aquila Learning:** MAXRES partners with Aquila, a leader in Training and Learning Management System software. The combination of ALaRMS and MAXRES Construct provides an ADDIE-complete software solution for high-risk industries, particularly those operating in aerospace, defence, and security.

**BNH Expert Software:** MAXRES partners with BNH Expert Software, a leader in Training Management System software, to enhance training solutions globally for defence primes and militaries, ensuring efficient and effective training management.

**Workbit:** As one of the founding teams behind MAXRES, Workbit collaborates closely with MAXRES to develop comprehensive Training Content Management capabilities, delivering state-of-the-art solutions that meet diverse training needs through innovative technology and robust systems.

**Flight Beyond Sight:** As a founding team of MAXRES, Flight Beyond Sight merges traditional courseware with synthetic training in virtual environments, providing innovative and engaging training solutions through advanced media and virtual technologies.





# MAXRES Courseware

**Deliver Anytime, Anywhere:** MAXRES's core promise is to provide training solutions that are accessible 24/7, regardless of location, ensuring that learners have the flexibility to engage with training materials whenever and wherever suits them best.

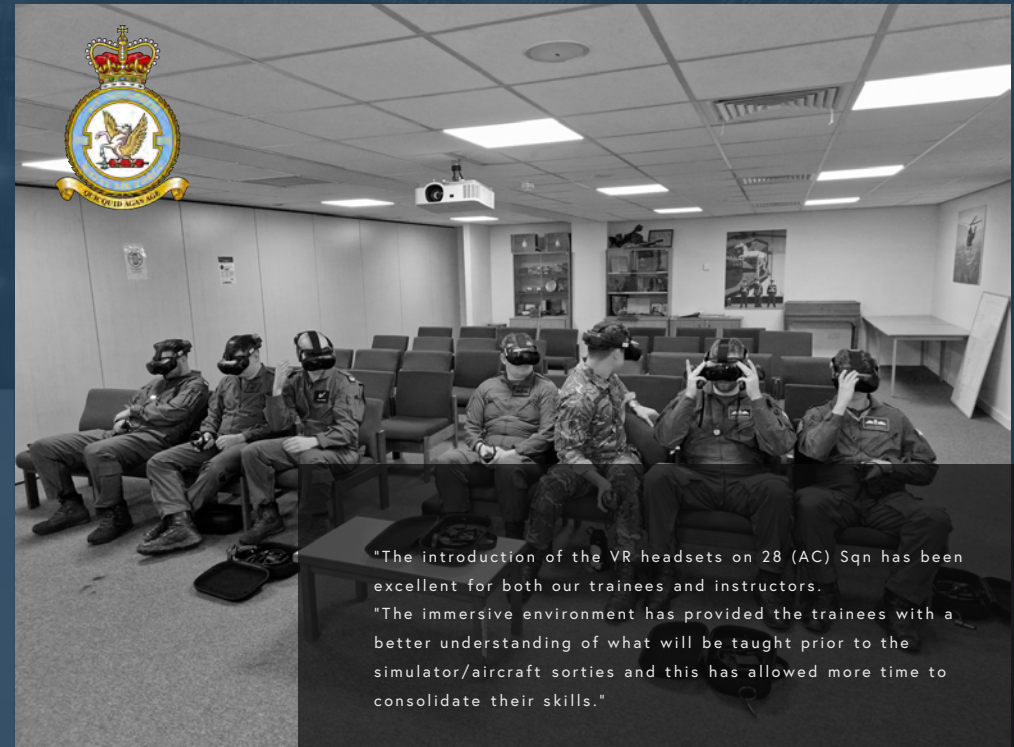
**Device Agnostic:** Our platform is designed to work seamlessly across all devices, from desktops to mobile phones to headsets, ensuring that training is accessible to every user, regardless of their preferred technology or learning method.

**Headset-Optimised:** We specialize in creating training materials that are optimized for headsets, including VR and AR, offering an immersive learning experience that enhances retention and engagement.

**LMS Agnostic:** Our solutions are compatible with any Learning Management System (LMS), offering unparalleled flexibility in deploying and tracking training programs across different platforms.

**Secure by Design:** Security is at the forefront of our design philosophy, ensuring that all training materials and user data are protected with the highest standards of digital security.

**DSAT-Compliant by Design:** Our training solutions are built to be compliant with the Defence Systems Approach to Training (DSAT) standards from the ground up, assuring they meet the rigorous requirements of defence training programs.



"The introduction of the VR headsets on 28 (AC) Sqn has been excellent for both our trainees and instructors.

"The immersive environment has provided the trainees with a better understanding of what will be taught prior to the simulator/aircraft sorties and this has allowed more time to consolidate their skills."

"The virtual training has also allowed for greater standardisation across the unit."

Flt Lt Brett Jones  
28 (Army Cooperation) Squadron RAF Benson  
[MOD DE&S Press Release Jan 2024](#)



# MAXRES Construct

**Content for Any Audience:** MAXRES Construct empowers users to create training content that resonates with any audience, ensuring materials are engaging, informative, and suited to the specific needs of the learners.

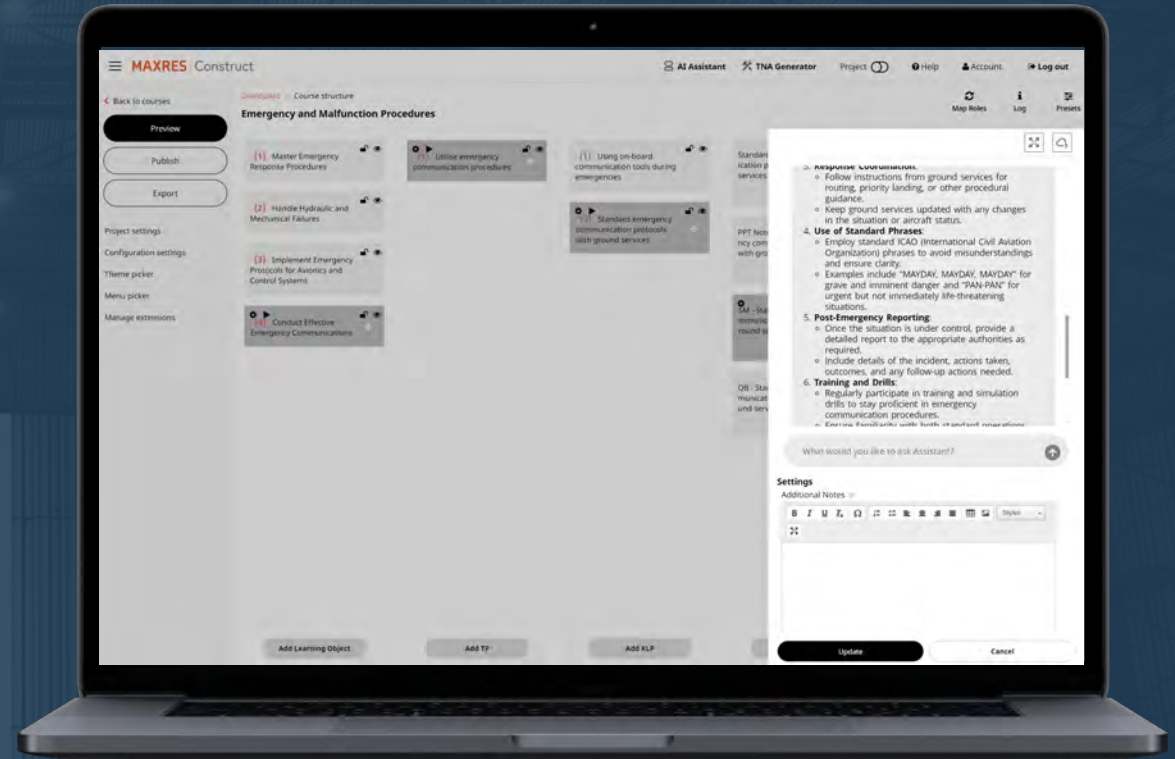
**CAI & CBT:** Specialized in Computer-Aided Instruction (CAI aka ILT) and Computer-Based Training (CBT), our platform facilitates the development of interactive and immersive learning experiences, enhancing the effectiveness of training programs.

**Documentation & Technical Publications:** Beyond interactive training, MAXRES Construct is adept at producing comprehensive documentation and technical publications, supporting a wide range of training and informational needs.

**Integrated Tools for Efficiency:** With MAXRES, you gain access to a project management tool, Learning Management System (LMS) integration, Artificial Intelligence (AI) enhancements, and web services, all in one place. This integration streamlines the content creation process, making it more efficient.

**Accessible and Scalable:** Designed for accessibility, our browser-accessed, server-based platform ensures that content creation and management are seamless and scalable. This adaptability supports training programs of any size and complexity.

**Cost-Effective Solution:** By streamlining the content creation process and offering a suite of integrated tools, MAXRES Construct saves time, effort, and money, making it a cost-effective solution for all your training content needs



Utilising the platform's automation and bespoke solution capabilities, Leonardo Helicopters significantly streamlined one of its training programs by reducing the number of courses from 600 to about 60 CBT courses—while still covering the intended training scope—saving them significant amounts of money. This approach not only future-proofed the content but also simplified its ongoing management.

# Generative-AI Productivity Comparison

HUMAN



VS

HUMAN &  
MACHINE



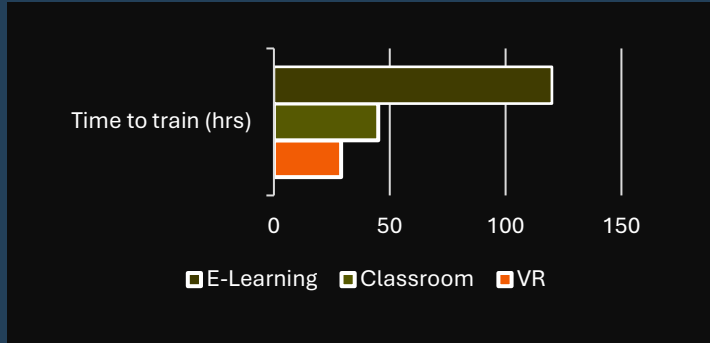
- **Efficiency:** Generative-AI can create the textual courseware content for a single KLP in 18-20 seconds, compared to 4-16 hours for a human. For 1,000 KLPs, AI takes about 6.1-8.3 hours, whereas a human takes 4,000-16,000 hours.
- **Cost-Effectiveness:** A £30,000 annual salary can buy 300,000,000 tokens (225,000,000 words) of AI-generated content, which is 37.2 times more than the 6,048,000 words a human could potentially produce in a year.
- **Higher Quality:** AI-generated content rarely has spelling mistakes, it adheres strictly to specified styles and standards, and sources answers directly from primary sources and textbooks with references (RAG), resulting in significantly less rework.

Generative-AI can create courseware content 650 times faster and 37.2 times more cost-effectively than a human.

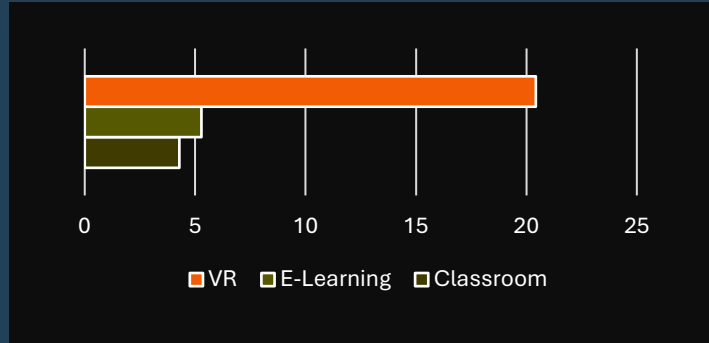
# Studies & Stats

## XR Training\*

STAFF COMPLETE TRAINING UPTO 4 TIMES FASTER



STAFF FELT 3.75 TIMES MORE ENGAGED



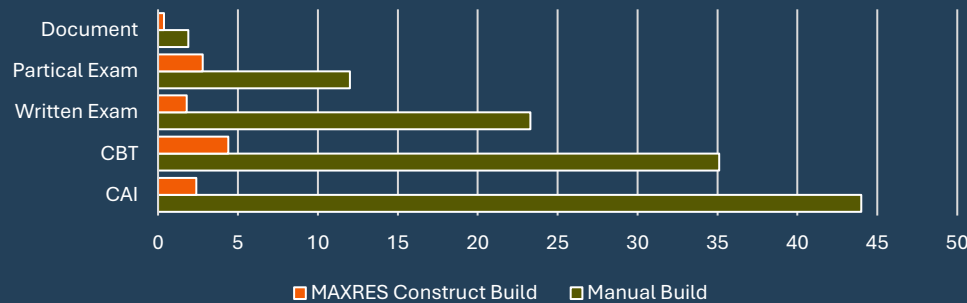
STAFF TRAINED USING VR WERE MORE FOCUSED

	Distractions (Amount)	Recovery (Mins)
Classroom	0.78	1
E-Learning	1.93	2.63
<b>VR</b>	<b>0.48</b>	<b>0.48</b>

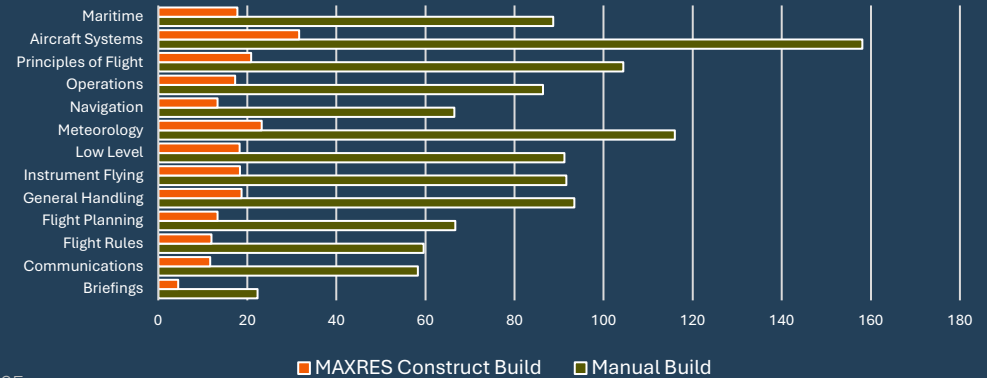
\*PWC – The Effectiveness of VR (June 2020)

## MAXRES Construct

Avg. Time to Build (hrs) per courseware type



Avg. Time to Build CAI (hrs) per subject matter



# Capabilities and Benefits

## Capabilities



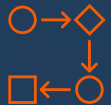
System Level Design



Multi-modal outputs



Single-Source  
Data/Content



Total Project  
Management



Generative-AI  
Integration



Quick Curation  
(first/second party)



Secure By Design



LMS Agnostic  
Outputs



Headset-Based  
Training

## Benefits

- Rapid courseware development
- Full ADDIE process
- 0-day courseware fixes
- Any training, anytime, anywhere
- Customer curation capabilities
- Reduced lifetime costs
- Reduced effort
- Reduced lead times
- Increased uptime
- Improved engagement
- Improved outcomes



# GET IN TOUCH TO FIND OUT MORE

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