

Submarine Decision Superiority

Exploiting AI and Sensor
Integration in the
Underwater Battlespace

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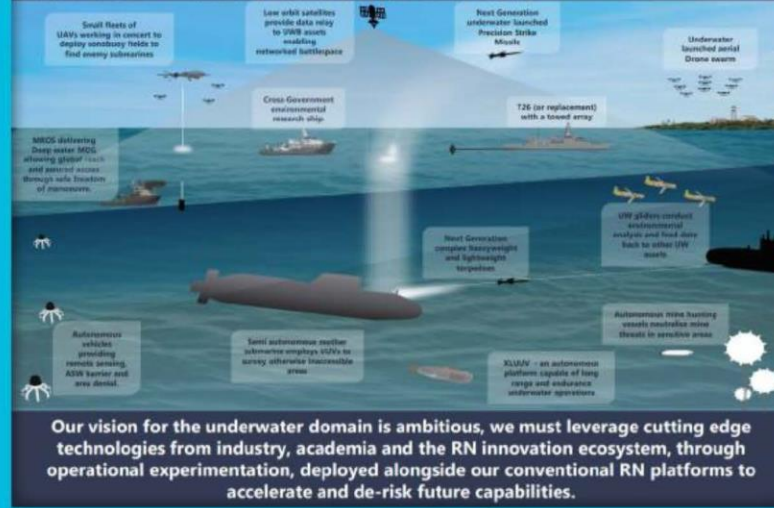
Everything has Changed? Or has it?

Revolution?



Battle of Trafalgar – HMS VICTORY

ATLANTIS 2040: HOW WE'LL FIGHT



Royal Navy Atlantis 2040 Vision

Evolution?



So What? Decision Risk

Application of “just” Tech will not result in Operational (Unfair) Advantage unless we look again at “Data to Decision”

Delivering “Data to Decision” is what we do



Thales and AI

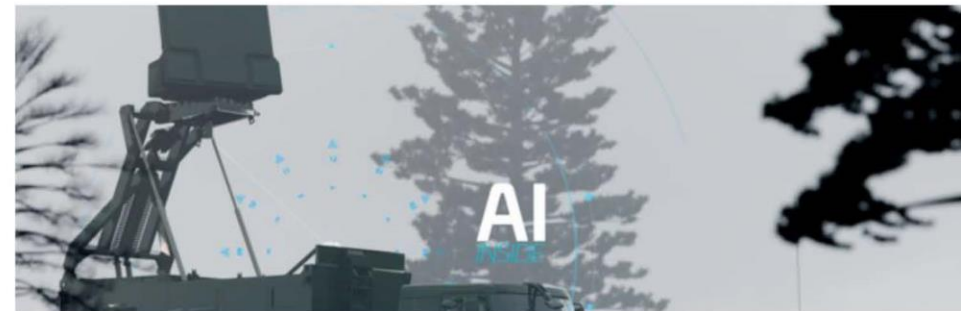
cortAIx CORTAIX: THALES'S AI ACCELERATOR FOR RESEARCH, SENSORS AND SYSTEMS
Artificial Intelligence by THALES
cortAIx Lab, cortAIx Factory, cortAIx Sensors

600 EXPERTS IN ARTIFICIAL INTELLIGENCE

5800 EXPERTS IN CYBER SECURITY

TRUSTED AI, IN LINE WITH THE PRINCIPLES OF THALES
TRUE AI: AI THAT IS **TRANSPARENT, EXPLAINABLE** AND
ETHICAL

+100 THALES PRODUCTS INCORPORATE AI
CAPABILITIES



Setting a Submarine Decision Advantage headmark



DigitalCrew[®]

Horizon scan



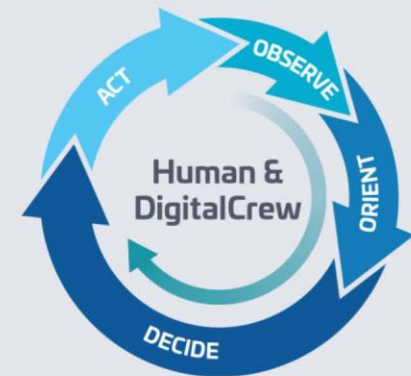
boat: 0.82



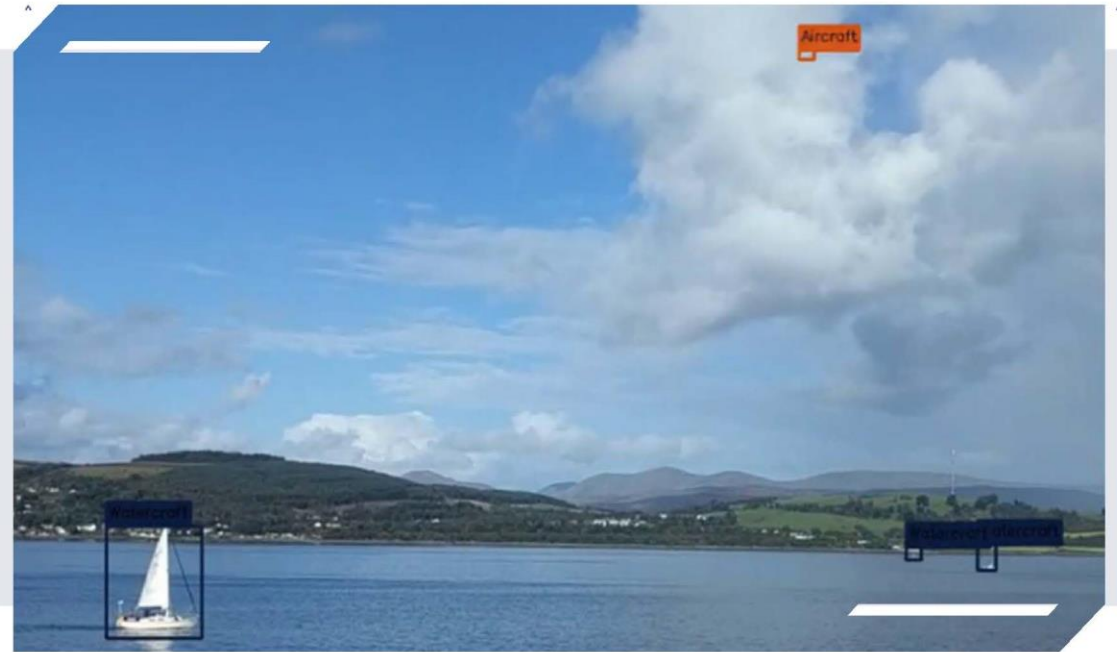
Operational Advantage



Reduced cognitive burden,
increased decision time
and/or faster OODA loop



Sea Trials



Collaborating for 'Best of Breed' capability

Academic Partnerships

Investing in the future of science, engineering and technology talent

We are working to transform the world as we currently know it by making it safer, smarter and more secure. However, these aspirations can't be realised without action and with current technologies alone. This is why we invest over £150m annually in R&D including our partnerships with UK academia.

Currently, we sponsor over 50 PhD students as they follow their passion in the pursuit of knowledge and undertake research into some of the world's most advanced capabilities and emerging technologies.

Through this, we are helping to foster the next generation of science and engineering talent, whilst contributing to the UK's prosperity. It is only through investing now, that we can be stronger in the future.



STRATEGIC COLLABORATIONS AT DSEI 2023: THALES LEADS THE CONVERSATION

| 13 SEP 2023 | DSEI | UNITED KINGDOM

The rapidly transforming defence and security landscape underscores the need for industry collaboration, state-of-the-art strategies, and technological prowess. At DSEI 2023, Thales' involvement goes beyond our exhibition stand. We're fully engaged in fostering pivotal conversations that propel us forward in the defence and security sector.

THALES CHAMPIONS START-UP INNOVATIONS IN ARTIFICIAL INTELLIGENCE WITH SEASON 5 OF AI@CENTECH

| 19 OCT 2023 |

Following a global call for partners, Thales selected the four start-ups – including one that is returning for a second Season – that best responded to this year's **eight AI-focused challenges** to solve real-life problems from space through to collaborative combat:

Operators

Capability Sponsors

Defence S&T/AI Authorities

Mission Data Owners

Universities

SMEs



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Thank You

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