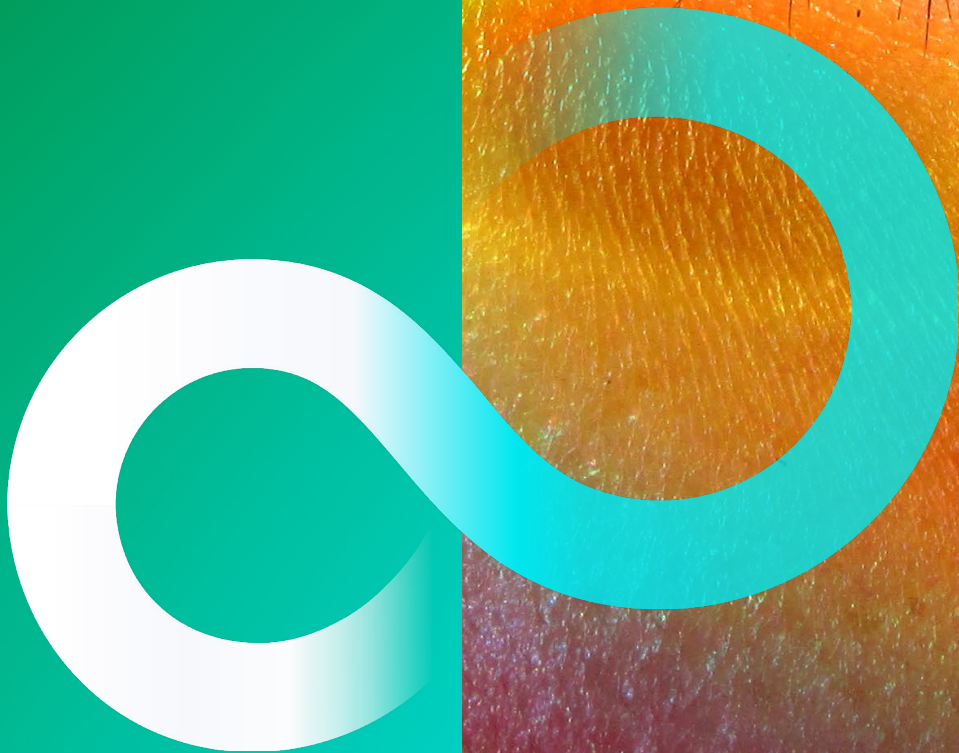# FUJITSU

5

forces
behind the
future of
Defence

1. Defence depends on global collaboration

Global collaboration in Defence is essential. We need only look to initiatives like AUKUS, GCAP and Japan's National Security Strategy for evidence. And in this context, the UK-Japan alliance is being held up as the model to follow. It shows the outcome that can be achieved when nations' outlooks and expertise are aligned.

What we're doing

At Fujitsu we know first-hand what cross-nation innovation makes possible in data security. Fujitsu Secure Collaborative Working (SCW) has been created with decades of experience in Defence and our unique understanding of global data exchange. It offers clients rapidly deployable working across organisations. All with the powerful security that's possible outside of the public cloud.

"Armies don't win wars. Nations and alliances win wars."

- *Lt General Tom Copinger-Symes CBE, Deputy Commander, Strategic Command*

2. Now is the time to innovate

Severe global threats can't be ignored, and the sense of urgency throughout Defence is palpable. It's why we're seeing a shift from traditional planning to more agile deployment of technology.

What we're doing

Imagine a quantum-powered Digital Annealer system, reacting to real-time data to defend targets from attacks. Quantum computing offers immense potential to accelerate innovation - protecting satellites for the UK Space Agency or protecting organisations' future income. Through Quantum Value Assessment, we're advising organisations like HSBC on applications that can transform their business. And in Defence, quantum has the potential to dramatically improve efficiency - and ease the path to victory.

"When I'm asked if a project will hit a timeline I'll say, we definitely won't hit it if we don't start it!"

- *Kate Robertson, Combat Air System Enterprise Enablement Director, BAE Systems*

3. New technologies call for new skills

As players of our Quantum Arcade Game will know, new technologies require new kinds of skills. We're seeing a concerted Government drive to attract talent in Artificial Intelligence (AI) and other cognitive technologies.

What we're doing

For our part, we're proud to have supported the British Armed Forces for decades, helping veterans develop rewarding careers in our organisation. And our Digital Twin solutions can play a vital role in training. Through sophisticated simulations, they allow full digital rehearsals of real-world scenarios - equipping the workforce for the modern battlefield.

"The battle for talent is as important as the battle for networks."

- *Sir Jim Hockenhull, Commander, UK Strategic Command*

4. Industry and government need to work as one

Commercial organisations and governments agree: meaningful industry-government partnership is vital for the future of Defence. Organisations like ours have a vital role to plan in embedding technology expertise in the Armed Forces. We have an obligation to listen. By understanding governments' needs intimately, we're ready to respond with solutions that are right-for-mission.

What we're doing

Fujitsu has a longstanding history of supporting the Defence and National Security sector, as a major supplier to the UK Ministry of Defence (MoD) for more than 60 years. We support important UK Defence projects, ranging from advanced command and communications systems to extensive research into new technologies. Our National Defence Centre is staffed with dedicated specialists, collectively providing support to more than 220,000 UK MoD users.

"The MoD needs to be commercial by design."

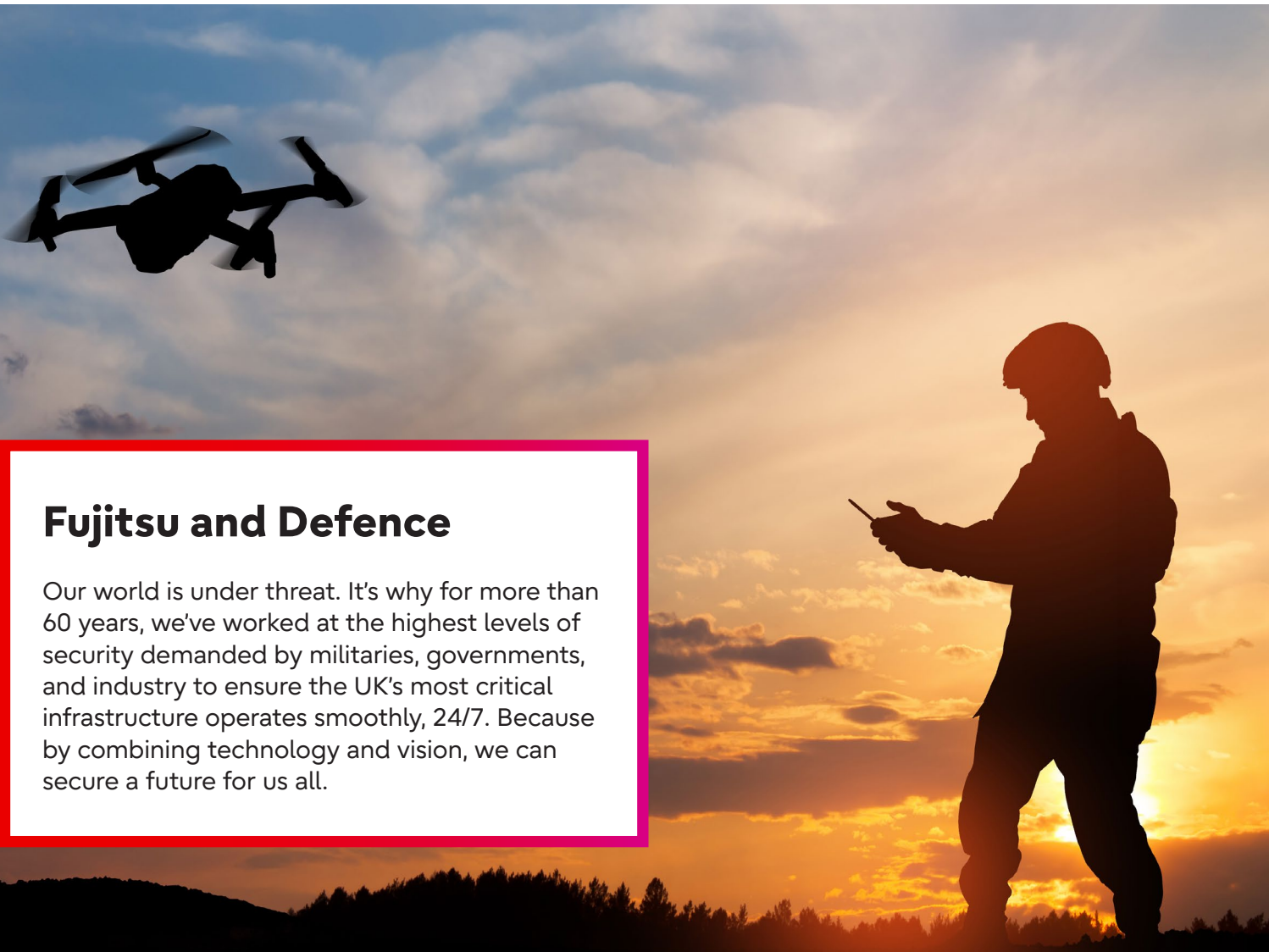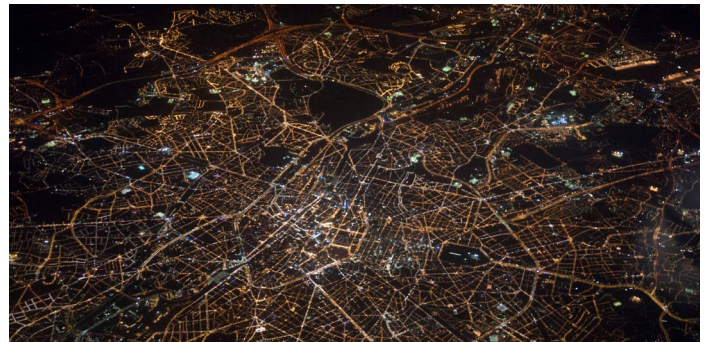- *Commodore Dave Moody, Head of Space Capability, UK Space Command*

5. **National security starts with secure technology**

As the world's cyber threats become ever more dangerous, protecting sensitive data is paramount. Unscrupulous attackers will exploit any vulnerability found within machine learning models, known as 'Adversarial AI' - posing a major security threat.

What we're doing

Fujitsu has developed a solution to validate AI models at scale. It continually identifies microscopic changes in data, and provides users with certainty that models will deliver the right outcomes. We're also hard at work helping organisations tackle the big ethical question: how do we control automation without undermining or harming people? Fujitsu actively supports industry, academia and regulators to apply AI ethically across applications.

Fujitsu and Defence

Our world is under threat. It's why for more than 60 years, we've worked at the highest levels of security demanded by militaries, governments, and industry to ensure the UK's most critical infrastructure operates smoothly, 24/7. Because by combining technology and vision, we can secure a future for us all.