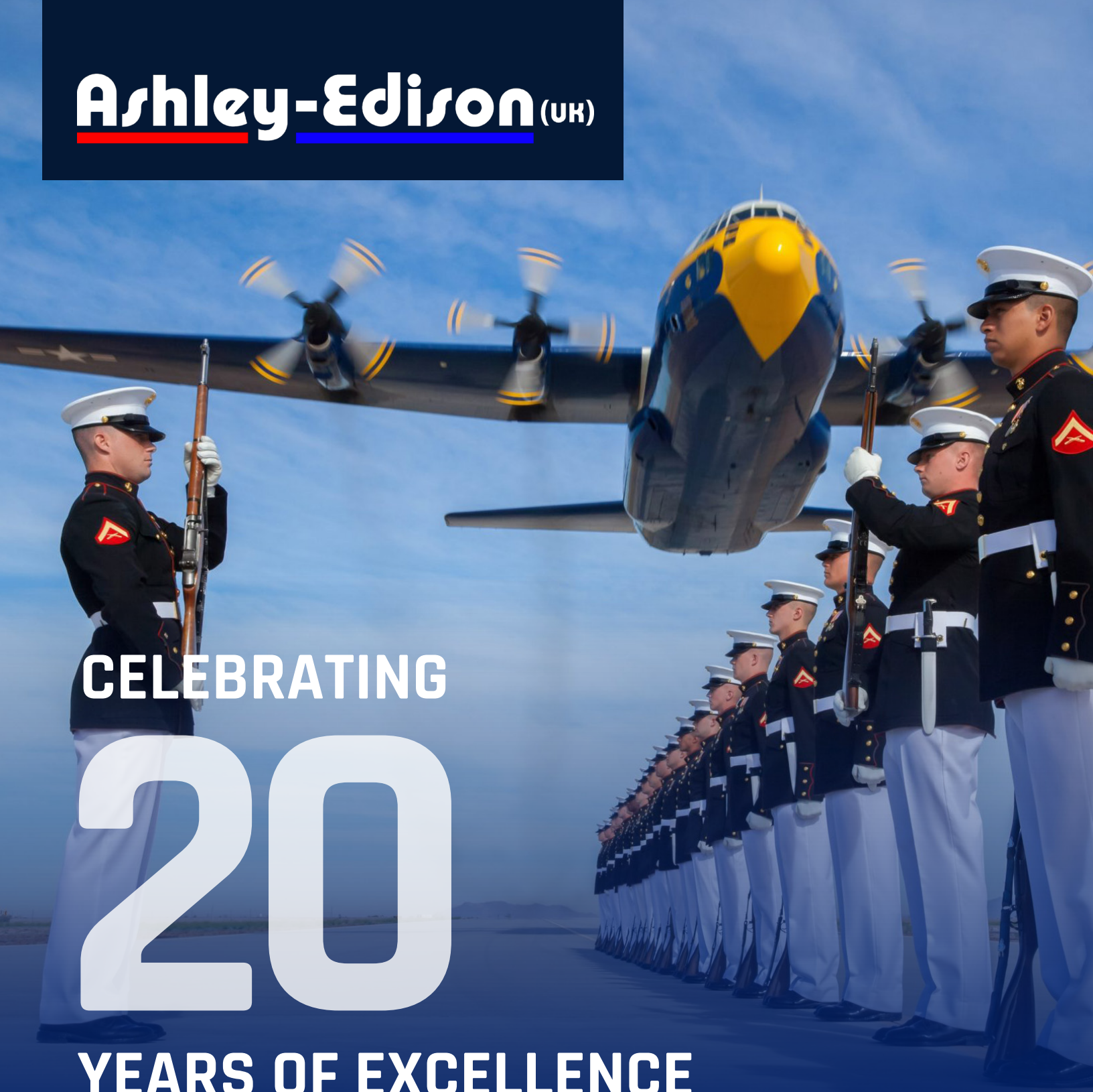
Ashley-Edison (UK)



CELEBRATING 20 YEARS OF EXCELLENCE IN THE MILITARY INDUSTRY

REPORT

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This anniversary report highlights Ashley Edison's commitment to empowering the global defence and enforcing countries' military capabilities to safeguard their citizens. The report addresses the modern challenges faced by evolving military technologies, driven by the need for a clean and stable power supply.

This article also presents a series of significant milestones that indicate Ashley Edison's landmark contribution to the international defence industry. It also highlights the design philosophies of Ashley Edison and how we continue to evolve in tandem with the rapid pace of military technologies.

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ADDRESSING THE POWER CHALLENGES OF MODERN MILITARY TECHNOLOGY

Throughout the decades, military technologies have grown in leaps and bounds. While armed forces are still investing in aircraft, warships, and tanks fleets, military technologies have evolved beyond conventional battle arsenals. Recent military developments have seen the introduction of robots, autonomous aircraft, augmented reality, and other cutting-edge technologies.

The emergence of new technologies bolsters national security, but they also pose unprecedented challenges to military engineering. Certain warfare assets require miniaturized electronics that demand a precise power supply. Military communication facilities depend on a clean power supply to ensure secure and uninterrupted communication channels.

The success of combat operations lies in ample training and preparations. Assets like G-force flight simulations are pivotal to ensure combatants are well-trained for actual missions. These facilities are engineered with complex electronics modules that run on precise voltage levels. Similarly, defence X-ray imaging requires high-quality, stable power to ensure its reliability.

The demand for faster, more powerful, and highly-accurate military systems means there is little room for voltage fluctuations. The presence of harmonics on the incoming power supply was once tolerated, but this is no longer the case for modern military systems. Military power supplies need to be reliable, clean, and durable.

Military engineering is witnessing a trend in increasing power supply voltage levels to minimize power loss. For example, the US Army-Marine Corps Joint Light Tactical Vehicle has moved upwards to 600 Volts to address the underlying power requirements. Besides the adoption of higher voltage, military applications are demanding tighter precision in the voltage level.

20 YEARS OF EMPOWERING MILITARY TECHNOLOGY DEVELOPMENT

Since 2002, Ashley Edison has worked closely with the military industry and provided a high-quality range of power line conditioning solutions. We understood that military assets require a stable and clean power supply, particularly in mission-critical applications, to operate reliably.

For 20 years, Ashley Edison has equipped armed forces in major nations with high precision automatic voltage regulators. We've stood up to the challenges of delivering impeccable power solutions time and again. There's very little room for error in an industry that demands a guarantee for a stable and precise power supply.

We have earned the trust of the global defence industries with our time-tested solutions. Our range of automatic voltage regulators is engineered to ensure military assets receive the precise voltage level required to power the underlying electronics and electrical modules.

Ashley Edison's SES range of automatic voltage regulators offers accuracy within 0.5% of the nominal voltage level. It is also designed to operate in the harshest environments with inbuilt protections for overvoltage, undervoltage, or voltage sags. The robustness of the SES series made it an ideal military-grade automatic voltage regulator for defence facilities.

THE ASHLEY EDISON DESIGN PHILOSOPHY

The answer to Ashley Edison's solid history of successful collaboration with the defence industry lies in our design philosophy. Since its inception, Ashley Edison has embarked on a journey to provide a clean and stable power supply with our range of carefully-designed power line conditioning products.

At Ashley Edison, we believe in building products that last. Our engineers pay attention to the finer details of the design to ensure our products withstand the test of time. While we champion compact designs, we do so without compromising on the product's durability and functionality.

Our design philosophy revolves around the customer's needs. Ashley Edison understands that a highly functional power regulating product requires extreme durability. Therefore, we adopted the plug-and-forget approach to produce robust automatic voltage regulators with engineering brilliance and rigorous testing.

We believe in simplicity and embrace the value in our designs. Simple designs mean we remove unnecessary parts and minimize the risk of failure. By adopting a minimalist approach, we ensure that only features that contribute positively to the betterment of our client's power quality needs are included.

By staying true to our philosophy for decades, Ashley Edison has solidified its position as a trusted power quality solution provider for the defence industry. Not only that, but the unprecedented quality offered by our range of power solution products also made them ideal for commercial and industrial applications.

NOTABLE PROJECTS/MILESTONES

Ashley Edison presents some of the most critical milestones associated with the defence industry for the past 20 years.

2002

September, 2002
Defence Science and Technology Agency (DSTA) in Singapore Supply of Infrared Thermal Cameras

2006

November, 2006
Ministry of Defence Singapore Supply of Automatic Voltage Stabilisers

2008

April, 2008
US Navy (in Singapore) Supply of Uninterruptible Power Supply

2010

July, 2010
US Navy (in Singapore) Supply of Uninterruptible Power Supply

2013

May, 2013
US Navy (in Singapore)
Supply of Automatic
Voltage Stabilisers

2015

April, 2015
US Navy (in Singapore)
Supply of Uninterruptible
Power Supply

2015

December, 2015
US Army (in Kuwait)
Supply of Automatic
Voltage Stabilisers

2017

October, 2017
US Navy (in USA)
Supply of Uninterruptible
Power Supply

2018

January, 2018
US Navy (in Singapore)
Supply of Uninterruptible
Power Supply

2018

March, 2018
US Army (in Italy)
Supply of Automatic
Voltage Stabilisers

2020

November, 2020
Attained the
Total Defense Award
by Ministry of Defence
Singapore

ASHLEY EDISON LEADS MILITARY TECH INTO THE FUTURE

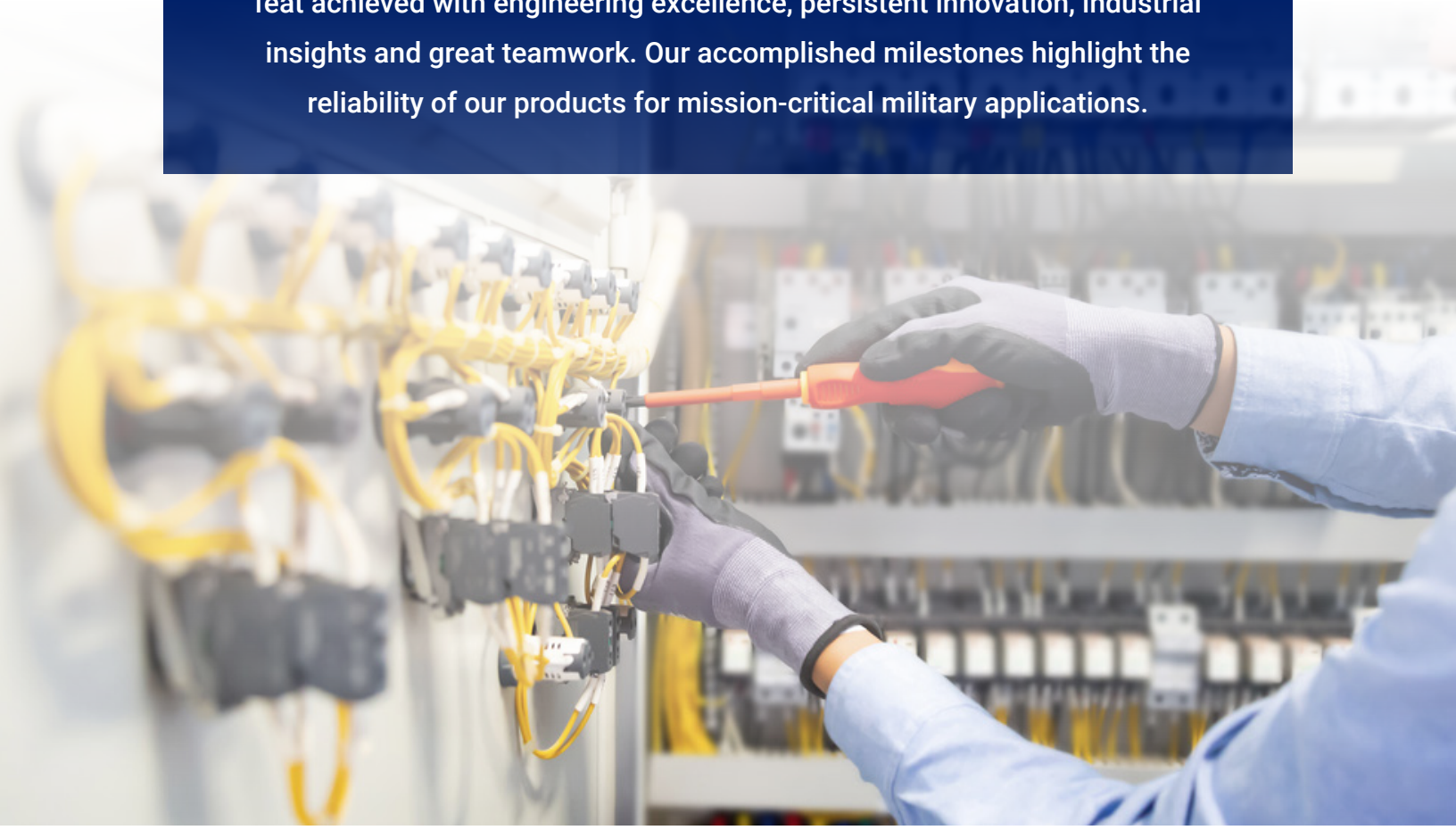
While Ashley Edison is proud of the accomplished milestones for the past 20 years, we are anticipating emerging military technologies in the near future with preparedness. Technologies like robotics systems, artificial intelligence, and military Internet of Things are bound to change the landscape of global defence systems.

These technologies share a commonality where they are dependent on the precise delivery of a clean power supply. Ashley Edison has a solid track record of supplying the armed forces with unrivalled power quality products. As such, we're in a prime position to unveil a new chapter of continuous collaboration with the defence industry.

Backed by a highly-experienced team of engineers, Ashley Edison is ready to take military technologies to a greater height with its range of ever-evolving voltage regulating products. More importantly, we align these products with the current strict military engineering and procurement requirements.

SUMMARY

Ashley Edison has been honoured to be a trusted military supplier of high-quality, precise voltage regulating products for the past 20 years. It is a feat achieved with engineering excellence, persistent innovation, industrial insights and great teamwork. Our accomplished milestones highlight the reliability of our products for mission-critical military applications.



Speak to us today on protecting your facility from the harmful effects of voltage fluctuations – our consultants respond within 24 hours.

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