BAE Systems use Panasonic TOUGHBOOK to help service Typhoon Jets

Engineers at BAE Systems have begun to use Panasonic TOUGHBOOK to offer a quicker, smarter and more intuitive way of servicing Typhoon jets, the world's leading combat aircraft.

The engineers at its Lancashire base are using the Panasonic TOUGHBOOK G1 to complement the aircrafts' onboard health management systems. Before and after every sortie, the aircraft performs its own 'health check' and presents a series of findings onto the Maintenance Data Panel, located on the side of the aircraft. Engineers analyse this information and conduct a series of checks, in parallel with the pilot's pre-flight cockpit checks, to ensure the aircraft is safe and fit for flight.

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> Shaun Waddington, Engineering Lead, at BAE Systems

With the introduction of the latest Panasonic TOUGHBOOK, BAE Systems engineers have developed an app that means the data displayed on the aircraft panel is analysed automatically so that the user is presented with a series of simple, colour coded icons, which at a glance confirms the missions the aircraft is fit to fly. This approach not only saves time on the ground but also provides information in real time and from multiple missions.

"We are constantly looking at how we can incorporate new technologies to enhanceour products and this project is part of a programme of capability enhancementson Typhoon," said Shaun Waddington, Engineering Lead, at BAE Systems.

"By linking together the latest tablet technology with a high performance aircraft we can deliver real benefit, saving time and reducing costs to Typhoon operators around the world." BAE Systems provide some of the world's most advanced, technology-led defence, aerospace and security solutions and employ a skilled workforce of some 83,400 people in over 40 countries. The Typhoon gives air forces the capability to effectively deliver a full spectrum of air operations - from air policing and peace support, through to high intensity conflict, thanks to its inherent flexibility and adaptability.

"The BAE story is further evidence of how Panasonic TOUGHBOOK devices are helping businesses to transform the way they work," added Chris Turner, Defence and Government Business Manager for Panasonic Computer Product Solutions. "Through increased efficiency gains, Panasonic TOUGHBOOK enable organisations to increase the quality of work and productivity of their mobile workers."

Unmatched durability for mobile workers
The fully rugged TOUGHBOOK G1 with Windows 10 Pro sets the new benchmark for outdoor viewable tablets making it ideal for mobile workforces. With its capacitive, 10- finger multi-touch display and digitizer pen and flexible configurable ports, this device can be used to view high definition documentation and images in the field whilst benefiting from connectivity options to ensure data is always available when needed. The flexible configuration port gives business users the legacy port options they require in a compact, fully rugged and lightweight form factor.

The TOUGHBOOK G1 comes as standard with a high quality HD 720p front web camera and upgraded optional 5MP or 8MP rear camera with triple flash capability
for clear document, asset or site photos whatever the light conditions.

Windows and customisable application keys on the front of the device assist workers in jumping to key apps and tools by just pressing one button. Using its Flexible Configuration Ports, the device can be configured exactly for the needs of the business, offering USB 2.0, Micro SDXC, True Serial port, LAN Connector, GPS, Barcode Reader and integrated smartcard reader optional. USB 3.0, Bluetooth® 4.0, HDMI and Wireless LAN capabilities are standard.

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