

smiths detection

FOCUS ON / AVIATION

→ CHECKPOINT
SECURITY
THE SMART
CHECKPOINT
SOLUTION

www.smithsdetection.com

Intelligent solutions for today and tomorrow



Hold baggage screening (HBS) is going through a transformative phase. More people are travelling at a time when security threats are at their highest. With new regulations demanding efficient systems that detect a wider range of substances, you need an HBS solution that delivers the highest levels of security and performance.

With 40 years' experience in aviation security, Smiths Detection is the trusted partner for airports, airlines, and government authorities around the world. Our comprehensive HBS solution portfolio has the necessary flexibility and scalability for integration into everything from small airports to multi-terminal and multi-airport operations. With a deep understanding of detection technology and compliance, we deliver the right solutions for today, which are also ready to handle the detection, growth and regulatory demands of tomorrow.

Comprehensive, proactive support

All airports and terminals have individual requirements and constraints. Our solution architects, dedicated account managers and

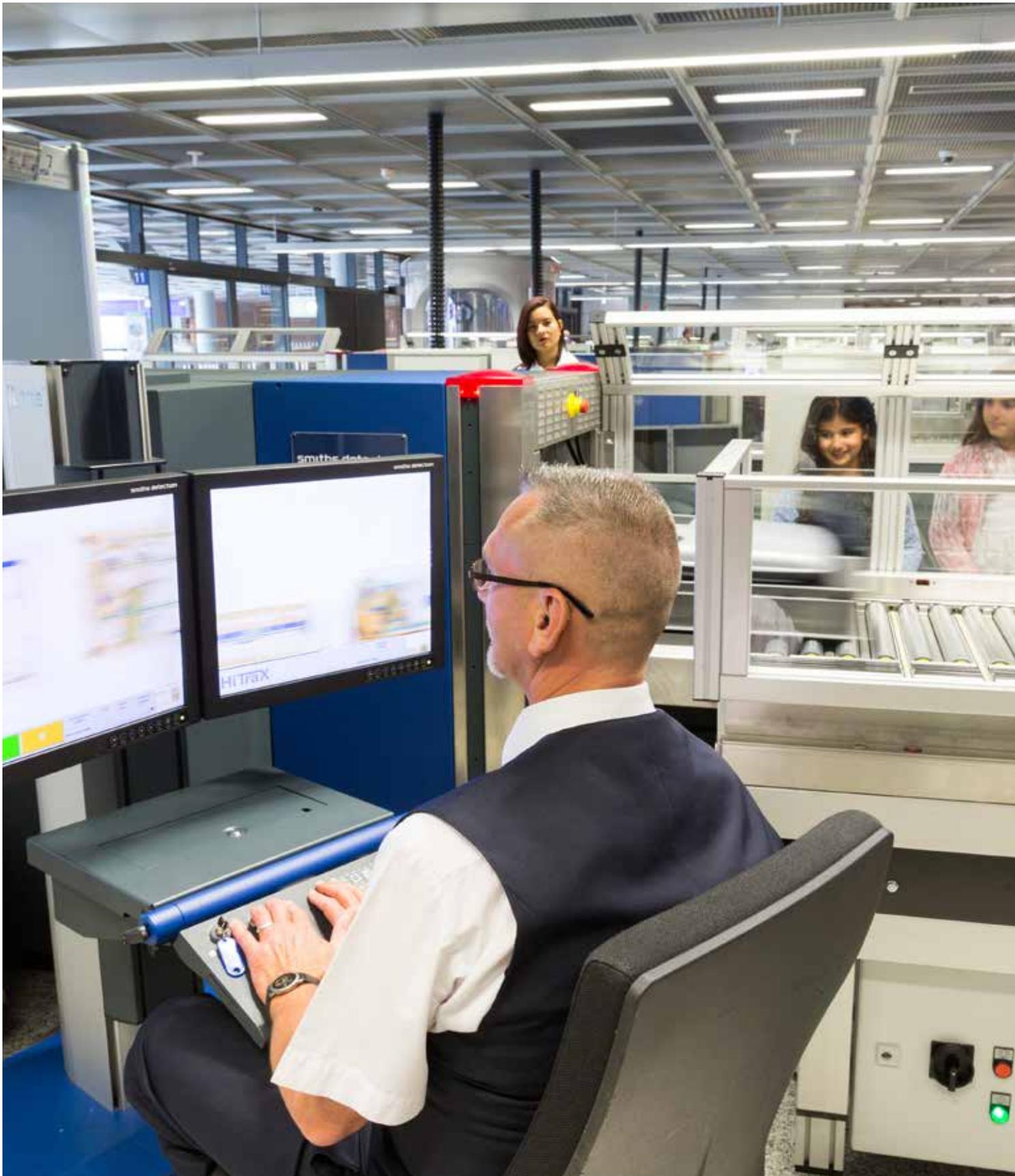
programme managers have the expertise to work with you to design a concept of operations (CONOPS) which helps achieve your very specific throughput, operational and performance objectives.

Integration, implementation and ongoing support is provided by our global team of field service technicians and engineers. They deliver proactive, preventive maintenance to ensure your detection solutions operate in peak condition throughout the lifecycle of your investment. Using the latest in sensor technology and data insight processes, our service teams are committed to achieving 100% availability.

Extensive supplier network

As detection solutions are an integral part of a complex operation, interoperability is a critical factor. We regularly collaborate with other suppliers so you can be confident we will work effectively together to integrate our solutions and meet implementation commitments.





¹Melbourne: Traditional lane throughput: 440 trays/items per hour. Advanced screening lane: 550-600 trays per hour = Throughput increase of 25 - 36%

²Understanding the Airport Passenger Landside Retail Experience, Queensland University of Technology.



Security, efficiency and longevity

The key criteria for effective HBS solutions

At Smiths Detection, we understand the operational and security challenges you face. Our advanced range of integrated and networked HBS solutions have been designed to optimise both performance and efficiency at airports of all sizes around the world. We focus on delivering on three essential outcomes: security, operational efficiency and longevity.

Security

We have a long and successful track record in helping airports keep pace with ever-changing threats and regulations. For example, we introduced the world's first automatic explosives and liquid detection system; and also the first high-speed, hold baggage explosives detection system to combine multi-view X-ray technology with 3D tomography. Liaising closely with the relevant regulatory authorities, we ensure our equipment is fully certified.

Our HBS solutions offer superior levels of detection and meet the latest standards from ECAC, TSA, CAAC and ISA. Combining extensive libraries and advanced algorithms with proprietary computed tomography (CT), as well as best in class X-ray technology, they support highly accurate identification of suspicious substances. Scalable by design, our systems also have the capacity to detect the new, and as yet unknown, threats of tomorrow.

Efficiency

Bringing together outstanding detection, high throughput, low false alarm rates (FAR) and impressive image quality makes our HBS scanners exceptionally efficient. Our higher throughput, CT-based solutions enable contents to be examined from every angle, generating 3D images with very precise data. The end result: quicker, more accurate judgements can be made on substances within the bag.

Designed for use with any baggage handling system (BHS), we offer several networking solutions that connect multiple units for efficient monitoring and control. Adaptable to the size of your airport, they support efficient image distribution between operators, whilst allowing information to be stored in a secure, central location. With built-in redundancy to ensure network dependability, leading industry standard switches and servers, and hot-swappable components to minimise downtime, our networking solutions help increase security and lower operational costs – and, at the same time, optimise critical resources.

Longevity

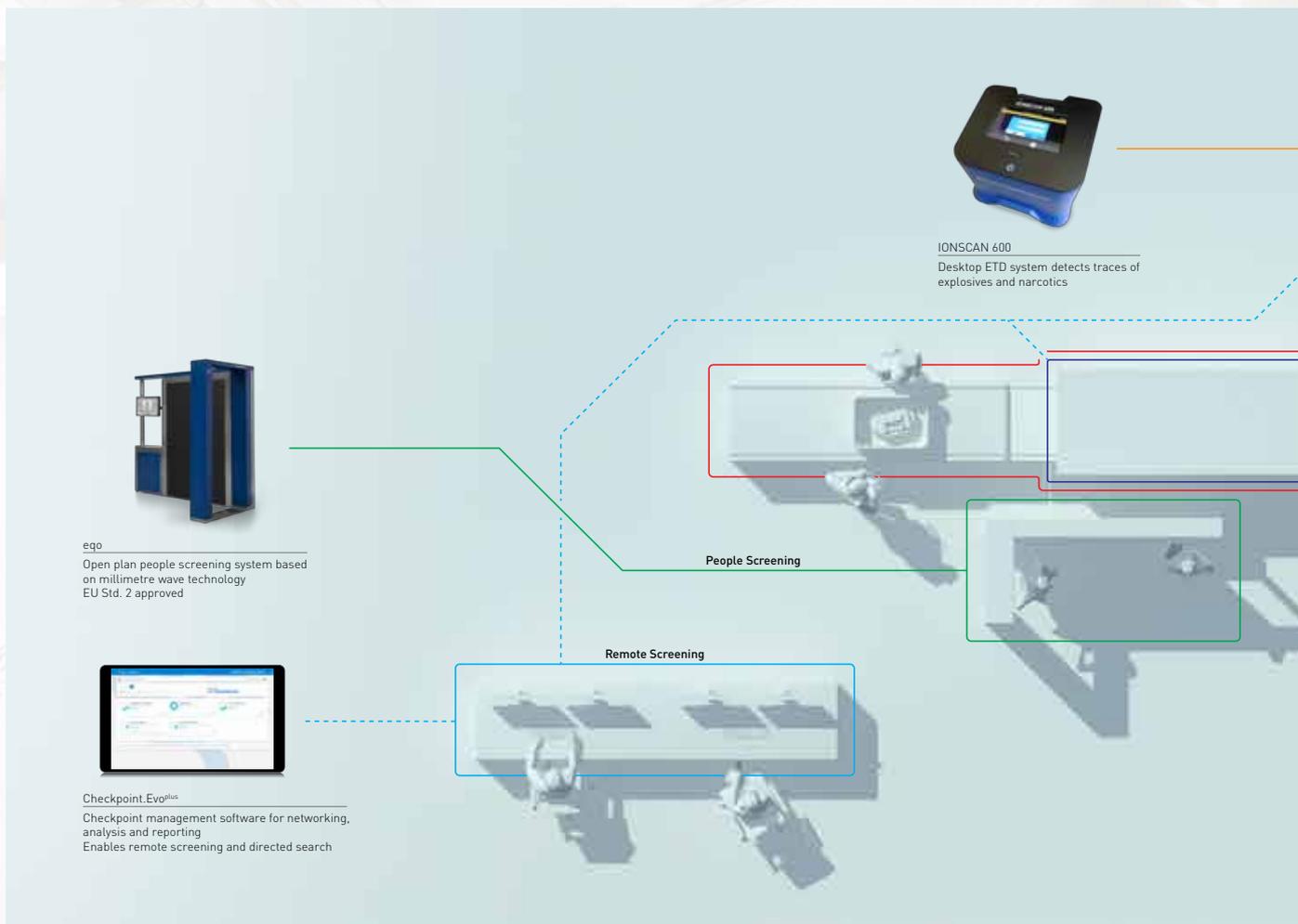
A well serviced and maintained hold baggage solution will last for 15 years or more. A reliable partner with a proven track record of service excellence can provide the support you need to achieve longevity. Our global, highly responsive network brings together experienced service teams and business partners working proactively to keep your solutions in peak condition.

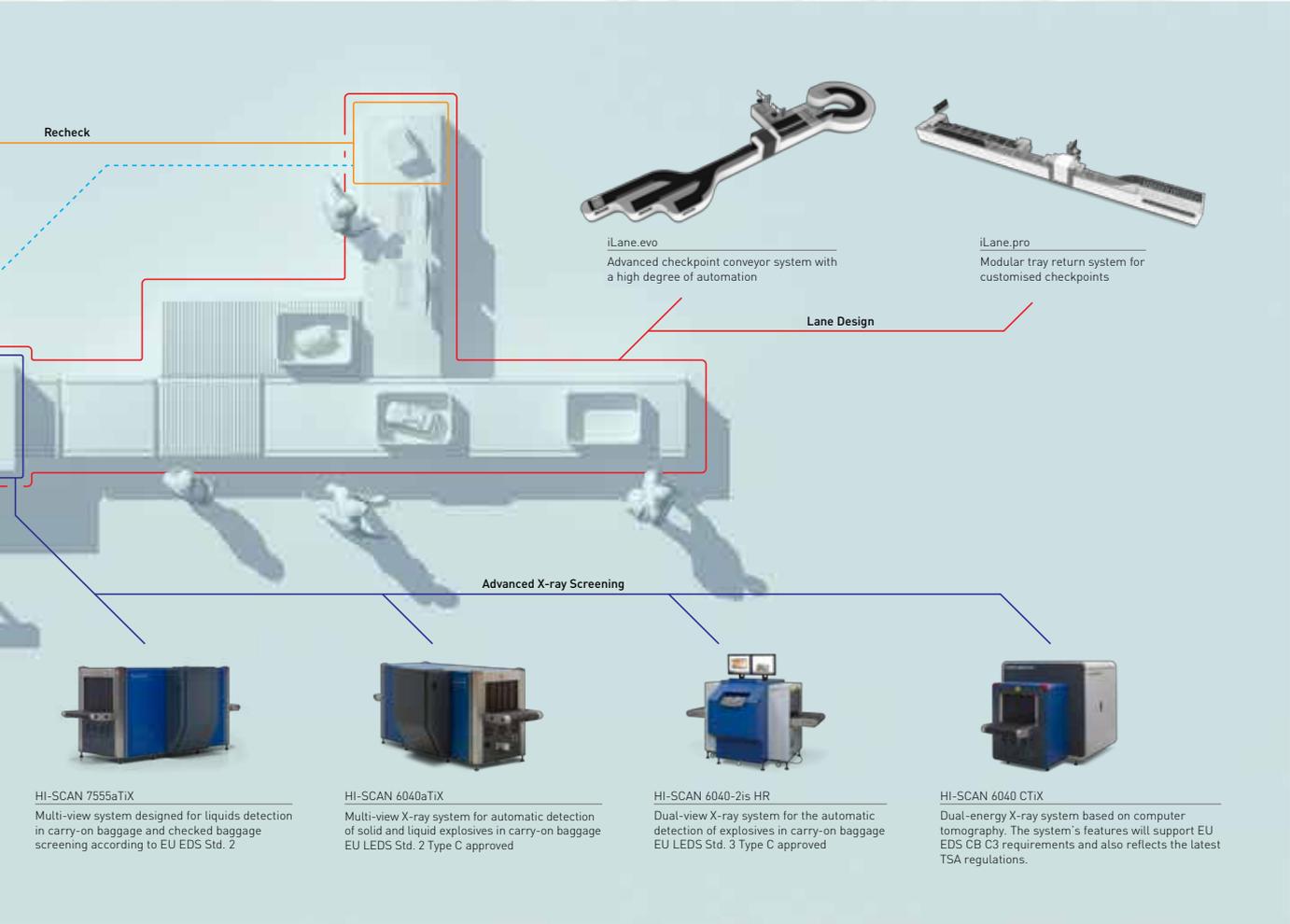
Our service philosophy supports a preventive approach to system maintenance, and our teams are ready to provide a fast response and resolution. This pre-emptive approach to service and repair brings a host of potential benefits, including longer equipment life, lower overall cost of ownership and a stronger ROI for detection systems.

Clearly, any solution needs to be fully compliant with the appropriate regulatory framework, but it is also very important to consider how new or upgraded equipment could affect the overall operation of the checkpoint. Any investment needs to be as future-proof as possible whilst answering the questions and issues facing airports on daily basis.

The central source for smarter checkpoint solutions

Smiths Detection offers everything from standard, off the shelf products to complete, individually tailored solutions. We have all the proven expertise, experience and back-up you need – and all from one source. Put your trust in us for high quality equipment, reliability and a global service footprint.





Making the world a safer place

Smiths Detection is a global leader in threat detection and screening technologies for military, air transportation, homeland security and emergency response markets. We deliver the solutions you need to protect society from constantly changing chemical, biological, radiological, nuclear and explosive threats, as well as weapons, contraband and narcotics.

Recognised around the world as delivering best in class expertise, equipment and support, we are relied on by customers from multiple sectors to help them make the world a safer, more secure place. With over 40 years' experience, our mission is to turn technology into innovative solutions and services which preserve life, safeguard society and uphold the free flow of trade.

One of our greatest assets is our customer centric approach to service and support. We work hard to address the very varied and often unique challenges you face on a daily basis with outstanding solutions and support. From the operational demands of busy airport passenger checkpoints, to inspecting cargo for contraband at ports and land borders, Smiths Detection is constantly looking at ways to help you achieve your goals in different environments.

Smiths Detection is the trusted partner of choice in this very demanding sector: you can rely on our proven record in security.

For product information,
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