

# Making the world safer

With passenger security at the top of the political agenda, governments are seeking new ways to counter terrorist threats. We have the most comprehensive range of detection technologies in the world. Our systems screen passengers and cargo at over 3,500 airports. Once passengers are on the plane, our advanced avionics help them fly safely.



#### Protecting passengers

Our equipment helps detect explosives, narcotics, weapons, chemical agents and biohazards. This year our detectors were purchased by the New York Police Department to help protect passengers on the subway. They were also involved in security trials on the London Underground and deployed at Heathrow and Manchester Airports.



#### Making air travel safer

Our avionics help aircraft take off, touch down and fly safely. We are a market leader in landing gear, flight control and engine actuation systems. Boeing selected us to supply the Thrust Reverser Actuation System, which provides emergency braking in an aborted take-off, on the Boeing 747-8 after success on the 777.

# Making the world healthier

Smiths helps doctors and nurses deliver medication, provide vital care and stay safe themselves. Our devices help relieve pain, treat cancer and deliver insulin. Our products manage airways during surgery, aid patients with breathing difficulties, maintain body temperature, monitor vital signs and assist reproduction through IVF. Our safety devices help to prevent needlestick injuries and reduce cross infections.



#### Caring for patients

Smiths Medical has extended its range of advanced airway management devices to assist anaesthetists in difficult airway procedures. Our new ambulatory infusion pump gives greater mobility to people with chronic illness by delivering drugs on the go, while the most recent innovation in our infusion technology helps prevent accidental overdoses.



#### Advancing medical devices

Smiths Interconnect puts its advanced connector technology to work to improve life-saving medical devices. Our high-speed connectors help MRI systems give a better view of internal organs. They also help defibrillators revive heart attack victims, electronic catheters map the electrical impulses of the heart and patient monitors keep an eye on blood pressure or oxygen levels.

# Making the world more productive

Smiths technology helps oil and gas pipelines deliver more energy and improves the reliability of global telecommunications. Our aerospace systems are dedicated to enabling our customers to develop more efficient aircraft, and our medical devices not only assist doctors and nurses with their life-saving work, but also help hospitals run smoothly.



#### Delivering energy

John Crane was honoured for its productivity this year with a prestigious 2006 Queen's Award for Enterprise both for its own productivity in achieving significant sales growth and for helping its customers operate more efficiently. The oil and gas industry depends on John Crane's high-performance seals.



#### Improving aircraft

Our ground-breaking 'central nervous system' on the new Boeing 787 Dreamliner will consolidate into two cabinets the hundreds of metres of wires and dozens of stand-alone computers that encumber other aircraft. This will make it thousands of pounds lighter helping to reach a 20% reduction in fuel consumption.