

**ATKINS**

Member of the SNC-Lavalin Group

# Delivering Borders of the Future

Security Automation Software

GET STARTED





# Security Automation Software

We've spent many years working with our clients to protect our national interests in an increasingly complex world. Now we're using that experience to help prepare our borders for the challenges of tomorrow.

We support our clients to design, implement and deploy automated security management solutions, using our Identity Management Toolkit (IDMT) and associated service solutions. Our IDMT software can work with a range of security sensing devices to allow simple, seamless integration of identity security management into border process. It provides a simple interface to third party systems, segments all aspects of the border process, encapsulates operation of biometric devices and APIs, and provides data management.

## **IDMT improves security through automating biometric capture and recognition.**

Our software removes human error through computerising the end-to-end security process integrating high-quality biometric sensors. The system is approved for use by UK Border Force.

## **IDMT saves money by simplifying identity checking.**

Our client/server architecture processes hundreds of security requests simultaneously, removing the need for hundreds of security staff. We currently deal with over 100,000 individual requests per day going through Heathrow airport.

## **Your customer's biometric data is safe with us.**

We have an encryption process that separates your biometric data into verifiable elements but cannot be visually recreated. This has been verified and approved to the exacting GDPR standards required by the Information Commissioners Office.

## **IDMT can integrate with any other open biometric system and entry control mechanism.**

Our software can be easily configured to integrate with your preferred security control mechanisms and allows you to tailor the automation and business logic around your business operations.





# IDMT at a Glance

Our IDMT software can be implemented in any environment that requires security entry:

- › Air, sea and land ports
- › Hospitals
- › Secure warehouses
- › Police stations
- › Courts
- › Military establishments

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100,000  
REQUESTS  
DEALT WITH PER DAY  
THROUGH HEATHROW

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EFFICIENT CHECKIN  
FOR OVER  
40M  
PASSENGERS A YEAR\*

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\* Heathrow Airport passenger data 2019.

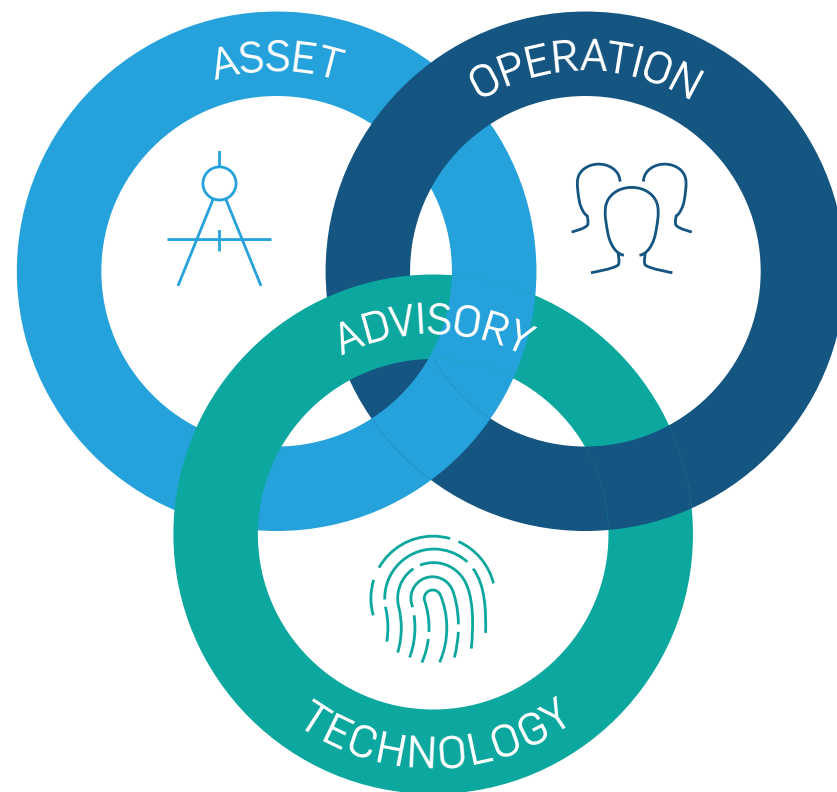


# Digital Transformation for Security Automation

CASE STUDIES



Moving from a manual identity security process to a digital one requires transformation in processes and people as well as introducing new technology. Our experience of working across a diverse range of sectors and environments enables us to bring the best new technology and approaches.



We work with you to ensure they improve quality, safety, efficiency and affordability for the best possible outcomes. Our in-depth understanding of strategic analysis, planning and implementation of customer experience and security improvement programmes allows us to both streamline and improve the customer experience whilst improving security and resilience with digital biometric technology.

## Designing slick human-centric security operations.

Decades of security operations expertise have built an in-depth knowledge of the operational environment. Our skills are honed at the cutting edge of security; providing efficient checking for passenger journeys.

## Bringing the benefits of technology into the built environment.

Atkins long pedigree in the built environment makes us uniquely placed to help clients insert technology in their existing buildings and controlled spaces. It is vitally important to insert new technology sympathetically with existing structures and the operational context and we do this using BIM – we were the first organisation in the UK to achieve the BSI Kitemark for BIM Level 2.

## A practical data and risk driven approach to delivering service and security.

Our proven approach to bring new technology online employs lean start and agile methodologies. In the last year at one client alone we developed and demonstrated six new biometric functions in a live environment.

The data and subsequent analytics in real scenario with real people, reduces risk, clarifies requirements and operating procedures, and tests the change management activities. This provides our clients with the confidence to bring the technology into core operations at scale.

## Atkins provides a fully integrated and tailored approach to ensure the benefits of technology are fully realised.

We work with our clients to tailor our transformation support to their needs We can provide the full range of services; Strategy, Business Case, Operational Analysis, Business Analysis, Procurement, Trials and Demonstrations, Technology Integration, Change Management and Project & Programme Management depending upon the client circumstances.





# Digital Transformation for Security Automation

## Heathrow Airport Ltd

Moving from a manual identity security process to a digital one requires transformation in processes and people as well as technology. This is a challenge for many organisations across a range of sectors and environments.



### Passenger Authentication Scanning System (PASS and PASS2)

Supporting Heathrow in the development and deployment of the PASS passenger processing solution, enabling the introduction of self-service gates, thus alleviating resourcing strains.



### Automated Passenger Identity Programme

Automation of the entire customer experience, from luggage check-in to boarding as part of a £50 million automation programme. Demonstrators have showcased the art of the possible, in an agile way, to help shape policy & strategy and so that future investment in automation and biometric technology can be confidently made.

CLOSE STUDIES





# Get in touch

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Atkins, a member of the SNC-Lavalin Group, is one of the world's most respected design, engineering and project management consultancies.

Together, SNC-Lavalin, a global fully integrated professional services and project management company, and Atkins help our clients plan, design and enable major capital projects, and provide expert consultancy that covers the full lifecycle of projects.

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For more information please contact us:

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[atkinsglobal.com](http://atkinsglobal.com)

[snclavalin.com](http://snclavalin.com)

## ATKINS

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“When you see the next generation, which is showcased today, it's just phenomenal what it means for the passenger”

*Stuart Birrell - CIO Heathrow Airports Limited*

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“To see it working as one end to end process was phenomenal, I was really impressed by the speed and simplicity of it...”

*Graham Wilkes - Business Change Manager Heathrow Airports Limited*

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