



## CHECKPOINT DESIGN

**Leading the way in  
Security Checkpoint  
Optimisation**

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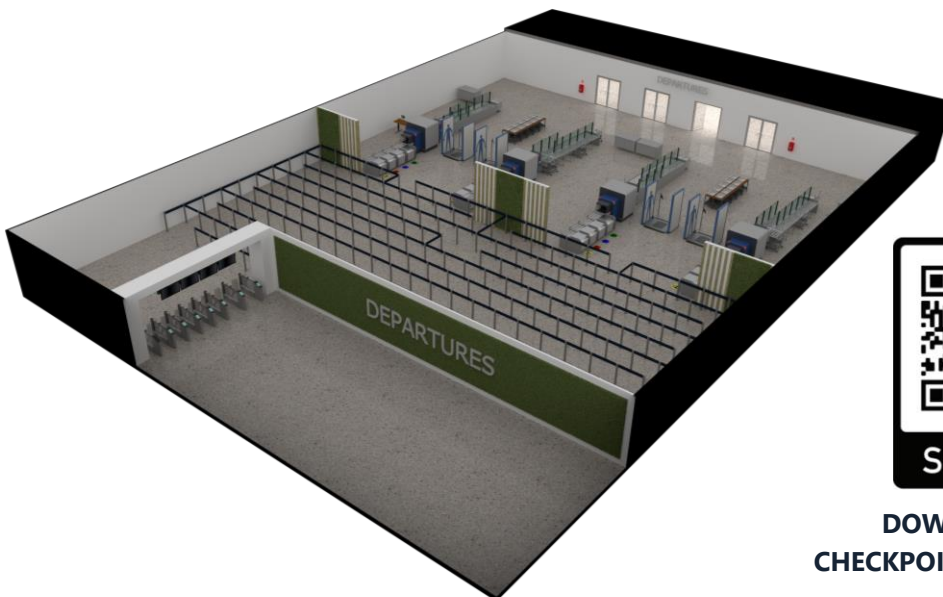
www.bavelconsulting.com

# INTRODUCTION

*Impartial and objective advice for passenger-centric design*

Do you want to enhance your security checkpoint while improving the passenger experience? Our team of experienced subject matter experts specializes in creating customized and innovative designs that prioritize both the needs of passengers and staff. We understand that every airport is unique, so we take a personalized approach to each project. With our design experience, you can trust that the final deliverable will align with the original design intent, ensuring maximum security and efficiency.

**Our goal is to develop a checkpoint that operates seamlessly, eliminates congestion, and achieves the highest level of efficiency and productivity.**



**DOWNLOAD OUR  
CHECKPOINT DESIGN GUIDE**

## BENEFITS

### **CUSTOMISED DESIGN**

Every airport has unique features and needs. We evaluate the infrastructure and passenger demographics of the airport to produce a tailored and passenger-focused design.

### **HUMAN FACTOR**

Considering the human interactions between passengers and staff is crucial. We help you define the duties, accountabilities, and operational procedures for the future design.

### **PROCESS EXCELLENCE**

The checkpoint must operate smoothly, with a streamlined process that minimizes congestion. While the process should meet passenger requirements, it should also strive for optimal efficiency and productivity.

### **TECHNICAL INSIGHT**

Integrating technical expertise and knowledge into the design process is vital to defining procurement requirements accurately. This guarantees that the result corresponds with the intended design.

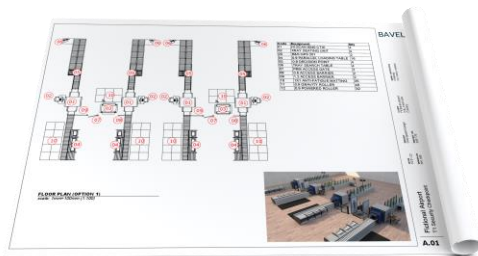
# OUR TOOLS

Experience the next level of security checkpoint design with the tools we use to create a seamless and secure checkpoint. First, we employ simulation to analyze the best security lane setup based on your airport's input parameters. Second, we develop a schematic layout that outlines passenger flows within the checkpoint. Finally, our team uses advanced 3D interactive technology to produce a lifelike visualization of the checkpoint, making it easier for stakeholders to understand the future design and provide feedback throughout the process. These tools allow for a collaborative and transparent design process that prioritizes the needs of passengers and staff while maximizing security and efficiency.



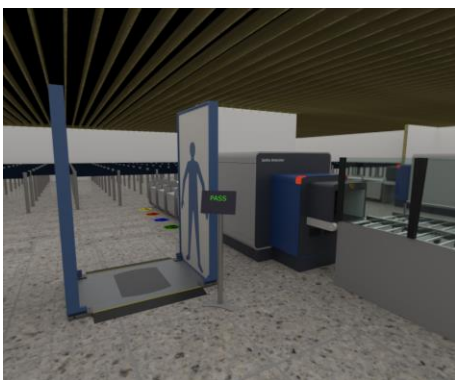
## 01. SIMULATION

We use simulation to ensure that your checkpoint has sufficient capacity for queues, boarding pass gates, and security lanes. We also perform micro-simulation to optimize the security lane design and ensure you achieve the highest possible throughput from the lanes.



## 02. SCHEMATIC LAYOUTS

We create a 2D schematic of your checkpoint to provide you with a comprehensive view of the layout and passenger flow. This allows you to see the optimal spacing and make informed decisions to achieve the most significant impact on performance.



## 03. 3D VISUALISATION

We share the checkpoint design with you in a virtual 3D environment. This provides a more collaborative design experience and allows you to visualize the space and overall look of the checkpoint in a way that is impossible with a 2D drawing.

# BAVEL CONSULTING

At Bavel Consulting, we are dedicated to revolutionizing the way airport security checkpoints operate. Our mission is to create efficient and passenger-centric security checkpoints.

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