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Site Visits  
Analysis  
Simulation

# CHECKPOINT ANALYSIS

**Leading the way in  
Security Checkpoint  
Optimisation**

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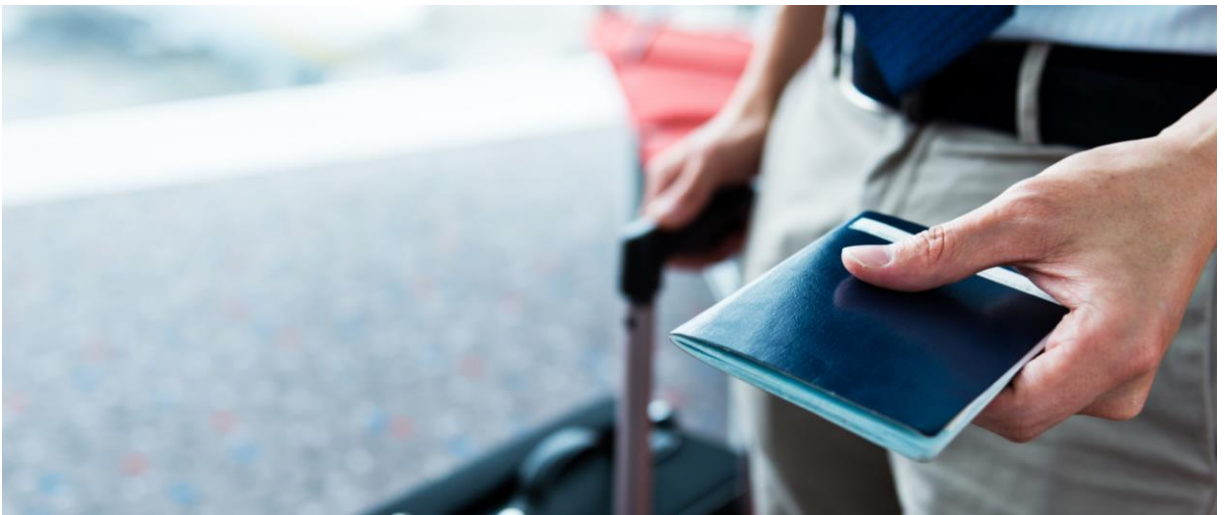
www.bavelconsulting.com

# INTRODUCTION

*An extensive analysis to determine areas for potential improvement.*

Did you know that airport security lanes typically operate at only 50-60% of their total capacity? This can result in inefficiencies at the checkpoint, often necessitating the opening of additional security lanes or leading to insufficient capacity during peak periods, resulting in longer queues and disgruntled passengers. We identified four key factors contributing to this reduced capacity and developed a solution to enhance overall checkpoint performance.

**The purpose of a checkpoint analysis is to systematically identify any bottlenecks in forecasting, planning, operating, and reporting, and propose solutions and enhancements to overcome them.**



## BOTTLENECKS

Examining forecasting, planning, operating, and reporting is crucial to enhancing overall performance. Neglecting any of these factors or solely focusing on one or two areas can lead to missed opportunities or investing in solutions that ultimately have little impact.

### FORECASTING

The ability to accurately predict when and how many passengers will arrive at security.

### OPERATING

Getting sufficient throughput and capacity from security lanes.

### PLANNING

Having the right people, at the right place, at the right time.

### REPORTING

The ability to accurately measure how your data stacks up to the actual performance.

# APPROACH

Our team of experienced consultants will work closely with you to understand your unique challenges and opportunities and provide you with actionable insights that can be implemented quickly and effectively.



## 1. SITE VISITS

We visit your security checkpoint to observe the operational processes in action, which enables us to uncover potential root causes for lost performance.



## 2. DATA ANALYSIS

We develop a data collection plan to retrieve data from systems and, when required, use our Lane Guru App to gain additional insight into current performance.



## 3. SIMULATION

We create a digital twin of your checkpoint, which we fine-tune to precisely simulate the actual processes. Next, we evaluate how bottlenecks are affecting overall performance.



## 4. RECOMMENDATIONS

We summarise our findings and provide actionable recommendations to help you prioritize improvements based on ease of implementation and benefit value.

# BENEFITS

Gain a complete overview of your security checkpoint performance which you can use as a benchmark for future improvement.



Targeted Improvement



Understand Bottlenecks



Knowledge Sharing

# RESULTS IN 8 WEEKS



Our Checkpoint Analysis is an extensive 8-week program, beginning with a 2-week on-site visit where we conduct data collection, observations, and workshops. From Week 3 to Week 6, we analyze data and conduct simulations. The final two weeks involve presenting recommendations and developing an implementation plan with a business case.

# BAVEL CONSULTING

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

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