

# EFFECTS OF SOCIAL DISTANCING ON SECURITY OPERATIONS

 Airport Council International (ACI)

 Montréal, Canada

 Process optimisation, 3D fast-time simulation

 2020



## KEY OUTCOMES:

- Mitigation measures package applicable to security
- Maintained health & safety standards
- Development of whitepaper in partnership with ACI

## THE NEED:



- As a result of COVID-19, airports worldwide put in place several mitigations against the virus spread, including social distancing.
- This mitigation had a detrimental impact to airport processing capacity, including the security checkpoint.
- ACI World tasked EBEA Consulting with the development of an expert whitepaper to assess these impacts.

## THE APPROACH:

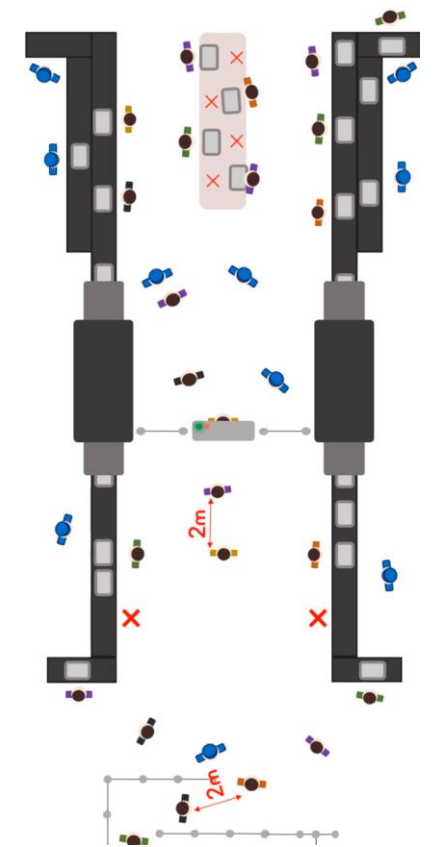


- EBEA Consulting solution included an in-depth analysis of potential checkpoint configurations as a result of social distancing.
- The review included a wide range of possible scenarios determined in conjunction with key stakeholders and participant airports.
- Analysis focused on conventional lanes without ATRS, as well as those more advanced including the technology.
- All scenarios assessed using fast-time simulation tools to ensure reliability of results.

## THE SOLUTION:



- The review highlighted potential problems that airport operators could see, including capacity losses ranging from 50% to 75% compared to pre-pandemic levels.
- The analysis provided industry experts with valuable insights to better face the foreseeable challenges emerging from social distancing.



*The team at EBEA Consulting delivered an excellent set of simulations and videos that enabled us to produce mitigation measures to physical distancing within a security checkpoint. They carefully understood the upfront requirements and constantly communicated to the team at ACI in order to deliver the project quickly and with care, producing first-rate results. I would recommend any airport that wishes to understand modelling different aviation scenarios to get in touch with EBEA Consulting.*

**Billy Shallow**

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