VORTEX

# Introduction

As a frequent flyer, Andrés Sada Govela, an Embedded Software Engineer for GE, was frustrated by the disembarking process of his flight.

Andrés realized that a common fault was creating chaos inside the plane and became obsessed with finding the solution.

He also realized that not only the disembarking process needed to be improved upon but boarding and customer service had huge issues as well.



When he realized that this issue costs the Airline Industry billions of dollars every year, he decided to create

Vortex B&D Systems Ltd. which has devoted its efforts to develop different boarding solutions for Airlines:

# BOARDING SOLUTION FOR REMOTE-POSITION GATES



## REMOTE BOARDING

The perfect solution for airlines that need to move more flights per block at their HUB and for saturated terminals that need more slots at peak times.

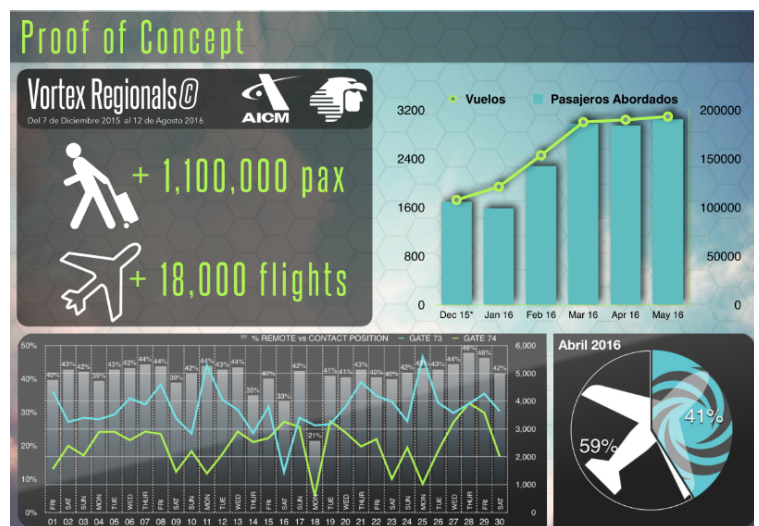## VORTEX REMOTE-POSITION BOARDING SYSTEM



This solution was successfully tested at a major airport, processing over one million passengers. increasing the gate capacity from 8 to 14 flights per hour.

## RESULTS

During this 6 month period, the airline was able to significantly increase the number of flights processed from 1,938 flights in January to 3,091 in May.

Also, the system gives the Boarding Agents all the information needed to provide a much better passenger experience.

# BOARDING SOLUTION FOR CONTACT GATES



**Saves fuel by reducing idling time**

**Maximizes resources and personnel**

**More predictable boarding times**

The Vortex Intelligent Boarding System becomes more efficient as the occupancy of the flight increases.

An innovative way to board passengers, reducing turn-around time by replacing outdated boarding procedures with digital boarding solutions.

## VORTEX INTELLIGENT BOARDING SYSTEM© FOR LEGACY AIRLINES

Designed for Legacy Airlines looking for faster and more predictable boarding times while enhancing passenger experience.

The system can be tailored to meet Airlines' needs, respecting their current procedures and boarding commitments to their passengers.

## VORTEX INTELLIGENT BOARDING SYSTEM© FOR LOW-COST CARRIERS.

This solution provides Low-Cost Carriers faster and more predictable boarding times, reducing turn-around time, minimizing delays while keeping or increasing ancillaries income on seating preferences.

This system can integrate to the airline's current anciliaries program on seating preferences.

# ABOUT THE VORTEX TECHNOLOGY



## How does it work?

This technology works by promoting teamwork, enhancing communication, maximizing asset utilization and by streamlining the flow of passengers at various stages throughout the terminal.

- Reduce delays and increase gate capacity

- Be used by terminals that need more slot capacity at peak times.

- Be used for temporary boarding on terminal expansion projects.

## Vortex B & D Systems Ltd.

We understand the current air travel challenges and strongly believe that our technology is the solution the airlines are looking for, to schedule a visit, a conference call or an online presentation contact us at:

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