Florida Automated Vehicle Summit
November 15, 2017
Airport Overview

3,300 acres

3 runways

23,000 parking spaces

~ 500 daily operations

General Aviation Airports

Tampa Executive

Peter O. Knight

Plant City Airport
FAA Rankings

TPA: One of America’s largest airports

Passengers on the Rise

FY2018 projection: 20.5 million

16.6 million (2010) → 19.2 million (2017) +16%
International Enplanements Up

Enplanements (1000s)

<table>
<thead>
<tr>
<th>Year</th>
<th>FY10</th>
<th>FY11</th>
<th>FY12</th>
<th>FY13</th>
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<td>260</td>
<td>296</td>
<td>332</td>
<td>417</td>
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+125%
Cargo Volume Up

- YE Sept. 2014: 182,897 tons
- YE Sept. 2017: 295,221 tons

+61.4%
Operating Revenues Up

2010: $163.6 million
2017: $215.8 million

+32%
Top honors for Customer Satisfaction

- #2 in North America
- #2 Favorite U.S. Airport
- #4 Rated U.S. Airport
- #2 in North America
- #1 Large Hub U.S. Airport
- #3 Best U.S. Airport
Where it all began.....
1963

“An 18-month investigation into alternative methods of Airline Airport Terminal Design Possibilities”

- **Human values**: Passenger physical and psychological comfort is highest priority

- **Airline / Airport considerations**: Right size facility planning for current and future operations

- **Airport financial considerations**: Design terminals to maximize revenues
“There IS a better way.....”
How the System Operates

... terminal, and the construction of the two parallel runways of the central area for passenger services, and a series of cutting areas for loading and unloading planes. The layout resembles the hub of a wheel with spokes radiating from it. Such an arrangement provides sufficient maneuvering room for the anticipated generation of "Jumbo Jets," beginning with the Boeing 747 and advancing to even larger planes now in the planning stage.

Long Distance a Problem

However, a major problem inherent in this design was the excessively long walk from the central processing area (Landslide) to the boarding station (Airside), a distance of more than 1,000 feet. When added to the walking required to get from an automobile parking space to the central terminal, and from the Airside building to the aircraft, this distance represented an undesirable condition.

The solution was found in the installation of the "Transit Expressway," a horizontal transporter system developed by Westinghouse. The system utilizes automatically controlled vehicles that connect each Airside with the central Landslide terminal and eliminates the 1,000 foot walk. Passengers will travel this distance comfortably in little less than a minute.
We're providing new ways to move people.
Back to the Future
SkyConnect – Testing Began in July
Rental Car Center Station
Rental Car Center Station
SkyConnect Maintenance Facility
Economy Parking Garage Station
Next steps:
The art of the pick-up and drop-off
Curbside expansion
Gateway Development Area - Hotel and Office
Gateway Development Area – Retail Space