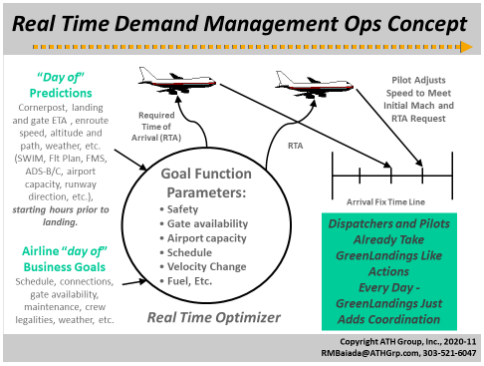
GreenLandings™

Real Time Aircraft Landing Time Management

GreenLandings™ has been independently validated to **quickly/profitably reduce airline delays, congestion and excess CO2, with zero analysis to the contrary**. The technology, data, software, computational power, optimization engine, communication capability and real time operational flexibility are all available and in place to make GreenLandings™ a reality starting within months. Additionally, GreenLandings™ moves an airline's "*day of*" production process into the 21st century, Big Data, Supply Chain world, allowing airlines to reduce emissions and costs (*Aviation Needs a New Direction — Driven by Vision and Leadership)*.

The GreenLandings™ Solution

GreenLandings™ is an airline/airport centric, cloud based, "*real time*" arrival/departure landing time management solution, based on an airline's, ATC and airport's "*day of*" requirements (business and safety). GreenLandings™ is a fully automatic, business driven, pre-conditioning landing time management process using **existing equipment, systems and procedures.** GreenLandings™ predicts problems hours prior to arrival and provides a real time, "*in flight*", aircraft by aircraft, **system** solution before the problem ever occurs (defect prevention). GreenLandings™ reduces an airline's landing time variability. In fact, "*day of*" variability is a huge factor that negatively impacts passengers, product quality, airport congestion, labor, the environment, airline excess costs (Billons annually for individual large airlines) and drives the airline's costs skyward (*Airline 2019 Cost Analysis*, Forbes.com).



Further, the **GreenLandings™ process easily crosses sovereign airspace, FIR and ATC sector boundaries**, a highly complex political/technical problem for any ATC centric Demand Management program. In effect, GreenLandings™ is a long range, business based, demand management overlay to the ATC system.

By focusing on an individual airport/airline, GreenLandings™ is low cost and quick to implement. The first airline/airport can be online within months and region wide within 3 years. The system is scalable, with an **ROI measured in months**.

GreenLandings™ has over 10 years of real world operational experience with major airlines including Delta, USAir, TWA, and others at the world's busiest airports (ATL, MSP, DTW, CLT, DXB, STL and DFW). GreenLandings™ has posted rapid, cost effective benefits to on time performance, passenger experience, labor, ATC, noise reduction, CO2 reduction, lower fuel burn, better aircraft/gate utilization and reduced operating costs.

GreenLandings™ has been independently validated in live operations by FAA (*FAA Task J Report*), Embry-Riddle University (Dr. Vitaly Guzhva and Dr. Ahmed Abdelghany), Georgia Tech (Dr. John-Paul Clark), GE Aviation (*Dubai FLOW Report*), Veracity Engineering and MCRI, **with zero analysis to the contrary**.

GreenLandings™ and ATH Group, Inc. (founded in 1999) are veteran owned by R. Michael Baiada (retired B747 airline captain/Air Force pilot) and Lonnie H. Bowlin (40 years of expertise leading a team of computer, complex systems and ATC experts, having built complete ATC systems for numerous countries).

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