



**WINDOWS ISV:**  
PACE Aerospace

**WEB SITE:** [www.pace.de](http://www.pace.de)

**LOCATION:** Berlin, Germany

**ORG SIZE:** 70+

**WINDOWS ISV PROFILE:**

PACE develops innovative, highly usable software products for the aerospace and aviation industries.

Pacelab RNA analyzes how competing aircraft models will perform in a given operational scenario in terms of fuel burn, payload capacity and other key metrics. It supports both manufacturers' marketing campaigns and airlines' strategic fleet planning.

# Pacelab RNA – Reliable Projections of Aircraft's Technical and Operational Performance

**“Windows has enabled us to adapt our back office software for new, mobile user groups providing them with an advanced analysis tool that runs smoothly alongside their everyday business applications.” – Alexander Schneegans, Co-Founder and Managing Director, PACE**

## • SITUATION

To better support customer-facing activities, PACE decided to make key capabilities of their existing desktop application for route network analysis available to tablet computer and smartphone users. The ultra-light solution was to maximize time efficiency, usability and collaboration but without compromising the depth of the analysis or the accuracy of the results.

## • SOLUTION

Pacelab RNA was developed as a Universal Windows Platform (UWP) app that can run across a wide variety of devices. As PACE's desktop applications are based on the .NET framework, most features could be migrated to UWP with minimum changes. Separating UI and business logic, Pacelab RNA offloads the analysis tasks to the Azure cloud. The app's backend server uses a Windows 2012 Server with HPC extension and a SQL Server 2012 database.

## • BENEFITS

The Windows 10 APIs facilitate the integration of collaborative features such as Sharing or Drag & Drop to Microsoft Office applications.

The Microsoft Azure platform ensures scalability, security and reliability and allows PACE to explore new SaaS business models.

