

# Automating Tracking and Reporting Capabilities for Specific Flight Routes

CLIENT SUCCESS



ZEEVITALIZING AIRCRAFT LEASING

zeevo®

AIRCRAFT LESSOR



OUR CLIENT

AVIATION FINANCE / AIRCRAFT LEASING



INDUSTRY

DEVELOPER AND PROJECT MANAGER



ZEEEVO'S ROLE

DAILY FLIGHT ALERT SYSTEM AND POWER BI REPORT



SOLUTION

## WHAT OUR CLIENT NEEDED.

A global aircraft lessor sought to enhance its tracking and reporting capabilities for specific flight routes using the Flightradar24 historical flight data feed. It needed a daily flight alert system and a comprehensive Historical Flight Data Power BI report.





## HOW WE WORKED TOGETHER.

1. The lessor provided the fleet aircraft registration details to Flightradar24.
2. Flightradar24 implemented a daily publishing system for historical flight data in a comma-delimited format, accessible via a password-protected website.
3. Zeevo designed and developed a Windows service to:
  - ▶ Download the historical flight data on a configurable schedule;
  - ▶ Store the data in a local SQL server database and integrate it with the lessor's Leasepoint data; and
  - ▶ Generate and distribute flight alert emails.
4. Zeevo designed and developed a new Historical Utilization, Power BI report offering enhanced fleet historical utilization and configured flight alert search capabilities.



## WHAT WE ACHIEVED.

- ▶ The lessor can set up new flight alerts using parameters like serial number, flight origin, destination, ICAO, and time on the ground.
- ▶ A Windows service downloads and analyzes historical flight data, generating HTML-based flight alert emails.
- ▶ Different flight alerts can be configured for various distribution lists based on specific requirements, including origin and destination country, airport, serial number, operator, and time on the ground.
- ▶ Prohibited flights are highlighted distinctly in the flight alert emails and the Historical Flight Data Power BI report.
- ▶ A new Historical Flight Data Power BI report was created for multiple departments, offering enhanced search capabilities for historical flight data, current flight alerts, and alert counts.



*“The alert emails and Power BI report remain extremely helpful. I check it daily”*

Vice President & Corporate Counsel at a U.S.-based lessor



## HOW ZEEVO WORKED BEHIND THE SCENES.

- ▶ Expertise in aircraft leasing business processes and best practices. Our team worked with the lessor's team to interpret and document the solution requirements.
- ▶ Proficiency in the Microsoft technology stack. Our in-house development team skills used to deliver these capabilities include custom Windows application development, SQL server, and Power BI report specialization
- ▶ Extensive knowledge of the lessor's existing technologies and software to optimize business requirements tailored to lessors' needs.
- ▶ Created a technical specification to document the end-to-end processes, applications, integrations, reports, and e-mail templates to deliver the solution.





# ZEEVITALIZING

ZEEVOGROUP.COM

## HOW IT WORKS.

With expertise in finance, technology, and operations, Zeevo addresses the wide and complex array of challenges facing our clients across industries. Our highly experienced professionals have held senior leadership positions in the industries we serve.

**Our solutions breathe new life into our clients' organizations, igniting the spirit of innovation and adaptability. Thus, ZEEVITALIZING their business operations!**

## LET'S TALK.



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