

Modern DevOps & Security Transformation

Modernizing Mainframe Development & Security at Turkey's Flagship Airline



Client Overview

Turkey's national airline and one of the world's largest international carriers, the client operates a mission-critical mainframe environment to manage global ticketing, scheduling, and passenger services.

The Challenge

As a long-term IBM Z client, our client relied on ALCS (Airline Control System) for its core ticketing platform. However, the legacy development environment lacked agility and modern DevOps integration.

Key challenges included:

- Outdated development workflows, slowing down delivery.
- Lack of integration with distributed platform tools.
- Use of a 3rd-party security solution, causing risks during z/OS upgrades.

To future-proof operations, our client needed a modern, cohesive development and security architecture fully aligned with IBM Z and the distributed ecosystem.

The VBT Software Solution

VBT Software led the transition to a modern, secure, and agile mainframe environment by implementing:

- IBM IDzEE (IBM Developer for z/Enterprise Edition) with open-source integration, Git for z/OS, and modern IDEs.
- RACF (Resource Access Control Facility) and IBM zSecure, replacing the 3rd-party security solution.

These components enabled:

- Streamlined DevOps practices across mainframe and distributed systems.
- Seamless, risk-free software upgrades.
- Consistent enterprise-wide tooling.

Why VBT Software?

- Deep expertise in IBM Z modernization projects.
- Proven ability to align legacy systems with enterprise DevOps practices.
- Strong collaboration with IBM and deep knowledge of airline systems.
- Trusted long-term partner of Turkey's largest enterprises.

The Outcome

Our client successfully modernized its mainframe development and security landscape:

- Full DevOps integration across platforms.
- Secure and compliant z/OS maintenance cycles using RACF.
- Reduced operational risk by eliminating third-party incompatibilities.
- No service disruption during transition.

This future-ready setup supports the airline's global digital transformation goals.



About VBT Software

VBT Software blends decades of experience with cutting-edge technologies to empower businesses through smart, scalable, and future-ready solutions. Trusted by leading financial institutions, telecom operators, and enterprise clients, VBT delivers technically robust, secure, and customizable platforms backed by deep domain expertise and long-term partnerships.