VBT Software

Mission-Critical Modernization in Aviation

Enabling Resilience in Aviation: Mainframe HW & SW Excellence for Turkey's Leading Airline

Client Overview

One of the world's largest and most respected airline carriers, Turkey's flagship airline operates a mission-critical IT infrastructure that supports flight operations, reservations, loyalty programs, and crew management — all powered by mainframe systems at its core.

The Challenge

The airline faced several key pressures threatening the stability of its mission-critical systems:

- Diminishing mainframe talent pool: Difficulty sourcing experienced system programmers and architects.
- Heavy vendor dependency: Reliance on IBM and external vendors for daily operations and upgrades.
- High availability demands: Required 100% uptime for systems impacting global flight operations.
- Aging workforce & skills gap: No sustainable pipeline for new mainframe engineers.

The stakes were high — any downtime could lead to grounded flights, revenue loss, and reputational risk.

The VBT Software Solution

VBT Software was selected to lead a full-scale Mainframe HW & SW Consultancy and Support Engagement, delivering:

- Custom Mainframe Talent Programs: Sourced and trained new mainframe engineers to replenish skills and future-proof operations.
- Integrated Hardware & Software Services: End-to-end support covering z/OS, Db2, CICS, and critical middleware, as well as IBM hardware (z Systems, DASD, VTS).
- Strategic Vendor Collaboration: Acted as a seamless bridge between airline management and global vendors like IBM and BMC.
- 24/7 High-Availability Support: Embedded expert teams ensuring proactive monitoring, incident prevention, and performance tuning.

Why VBT Software?

- Deep Domain Expertise in IBM Z, BMC, and mission-critical IT
- End-to-End Support across HW, SW, talent, and operations
- Global Standards, Local Commitment — supporting Tier 1 enterprises
- Proven Track Record with over 25 years of mainframe leadership

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The Outcome

"With VBT's support, we've run over a decade of uninterrupted operations on our most critical platforms. That's the standard we expect for global aviation."
— *Mainframe Platform Manager, Leading Airline*

10+ Years of Zero Unplanned Downtime:
- No critical system outages since engagement began
- Sustained operational excellence across mainframe infrastructure
- Ongoing talent pipeline to replace aging workforce
- Reduced vendor lock-in and improved cost-efficiency

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.