

# IFS Solutions for Airport Operations



Airport operators face mounting pressure to maintain aging infrastructure, deliver exceptional passenger experiences, and meet stringent safety requirements, all while managing complex capital programs and distributed workforces. IFS provides purpose-built enterprise solutions that

enable airports to manage long-lived, safety-critical infrastructure on a single composable platform, improving reliability and compliance without requiring full ERP replacement.

## Airport Operations Challenges

Airport authorities and service providers face five critical operational challenges:



### Infrastructure Complexity

Managing diverse, long-lived assets across terminals, airside infrastructure, baggage systems, and support facilities, each with distinct maintenance requirements and safety-critical performance standards.



### Distributed Operations

Coordinating maintenance, operations, and service teams across terminals, runways, taxiways, and facilities with consistent work standards, knowledge sharing, and safety protocols across shifts and locations.



### Capital Investment Decisions

Balancing competing investment priorities across capacity expansion, infrastructure renewal, passenger experience improvements, and regulatory compliance with limited capital budgets and demanding stakeholder expectations.



### Operational Disruption

Responding rapidly to equipment failures, weather events, and operational issues that impact passenger flow, flight schedules, and airport reputation, requiring real-time visibility and coordinated response capabilities.



### Safety and Regulatory Requirements

Maintaining comprehensive compliance across aviation safety regulations, environmental standards, and operational certifications while managing continuous inspections, audits, and documentation requirements.

## IFS Approach for Airports

IFS delivers an asset and service centric enterprise platform specifically designed for airport operations, unifying infrastructure management, capital planning, workforce coordination, and operational intelligence. Unlike generic ERP systems, IFS understands airport-specific asset hierarchies, maintenance strategies, and operational workflows.

### Purpose-Built Capabilities

#### Asset Lifecycle Management

Manage terminal buildings, airside infrastructure, baggage handling systems, and ground support equipment on a unified platform. Execute preventive and corrective maintenance, track asset condition, manage regulatory inspections, and optimize lifecycle costs across your entire airport portfolio.

#### Asset Investment Planning (Copperleaf)

Evaluate and prioritize capital investments across competing airport needs with transparent, defensible decision frameworks. Model investment scenarios considering safety, capacity, passenger experience, and regulatory risk, with full traceability from capital plan approval through project delivery and value realization.

#### Service Lifecycle Management

For organizations servicing airport infrastructure under contract, manage complete service delivery from SLA definition through work execution, resource planning, and performance reporting while protecting margins and meeting commitments.

#### Asset-Centric ERP

Integrate financial management, procurement, and project delivery with asset operations and investment planning. Gain unified control across complex airport operating models with asset-backed financial reporting and scalable enterprise processes.

## Operational Intelligence (IFS.ai)

Gain real-time visibility into airport operations with predictive maintenance alerts, operational event detection, and performance dashboards. Anticipate equipment failures, coordinate rapid response to disruptions, and minimize passenger impact through proactive operational management.

### Why Airports Choose IFS

IFS enables airport operators to manage aviation infrastructure as integrated portfolios rather than disconnected systems. Airports gain transparent capital planning aligned with safety and capacity requirements, standardized maintenance execution across terminals and airside assets, and real-time operational coordination that reduces disruption and improves passenger experience—all on a platform that integrates with existing airport systems without requiring wholesale replacement.

#### Ready to transform your airport operations?

Connect with our airport industry experts today.

IFS is the world's leading provider of Industrial AI and enterprise software for hardcore businesses that make, service, and power our planet. Our technology enables businesses which manufacture goods, maintain complex assets, and manage service-focused operations to unlock the transformative power of Industrial AI™ to enhance productivity, efficiency, and sustainability.

Learn more about how our enterprise software solutions can help your business today at [ifs.com](https://ifs.com).

