CORPORATE DECK

RE-ENGINEERING POSSIBILITIES

Waisl

ISO

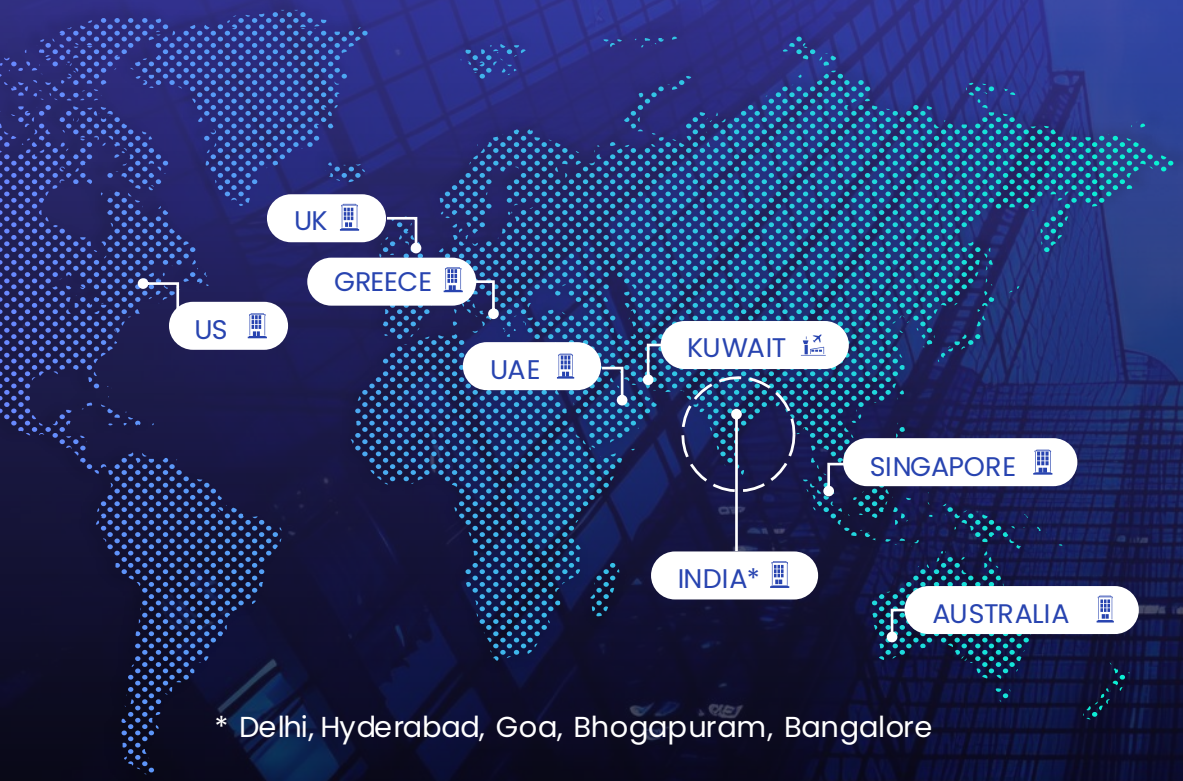
9001, 20000, 27001, 22301

ML3 CMMI APPRAISED DEV SVC

Software Development and IT Operations

INDIA | UAE | US | UK | SINGAPORE | GREECE | KUWAIT

WAISL @ a Glance



* Delhi, Hyderabad, Goa, Bhogapuram, Bangalore

15+ Years Of Expertise	**800+** Strong Global Team	**200+** OEM Partners & Vendors
06 Airports Currently Managed	**80+** Airlines Served	**2000+** Applications Integrated
135M+ Passengers Serviced	**2500+** Air Traffic Movements Per Day	**8+** Countries Presence

Recognitions

- BC Business Connect — Best Airport IT Company 2024
- Frost & Sullivan — Leadership Award 2023 Technology Innovation
- Forbes India — Global Business Potential
- The Times — Business Award North 2023
- ASSOCHAM (Ideate · Innovate · Impact) — Best Aviation IT Solution Provider
- ET HRWorld (From The Economic Times) — Organization Future Ready

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WAISL Capabilities & Expertise

End to End technology Solutions for aviation & adjacencies

End-to-end technology solutions, services and industry defining partnerships with Capex & non-Capex models.

Next-gen Digital Products & Solutions

Trusted digital transformation partner with products like India's first Digital Twin-powered Airport Predictive Operations Centre (AeroWise)

IT Infrastructure and MSI Consulting

Consult, Plan, Design, Build, Integrate, Operate, & Manage complex technology ecosystems.

Innovative Live Lab & Startup Ecosystem

Innovative live lab powered by Innovex's 2000+ startups, driving next-gen technology and innovation for aviation and adjacencies.



Driving impact via:

- Outcome-focused Services and solutions
- Domain focused Delivery models
- Vendor/partner agnostic solutions
- Strong technology infrastructure expertise

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Our Expertise

Delivering comprehensive technology solutions within complex ecosystems

Airport & Passenger Processing

- Biometric & Facial Recognition
- Self-Service Kiosk
- Self-Baggage Drop
- Flight Information Display Systems
- Baggage Reconciliation Service
- Airport Operations & Resource Management

Digital Transformation

- Remote Station Management
- Payment Solutions
- Retail Billing Solutions & Analytics
- Digital Twin & AL/ML Solutions
- AERO-WISE★
- Video Analytics

Technology Infrastructure

- Data Centers
- Security & Surveillance
- Smart Building Management Solutions
- Security Command Center
- Data & Wi-Fi Networks
- Communication System

Other Solutions

- Cybersecurity
- Sustainability
- Consulting & Advisory
- Concessionaire Models
- Master System Integration
- Smart Cities

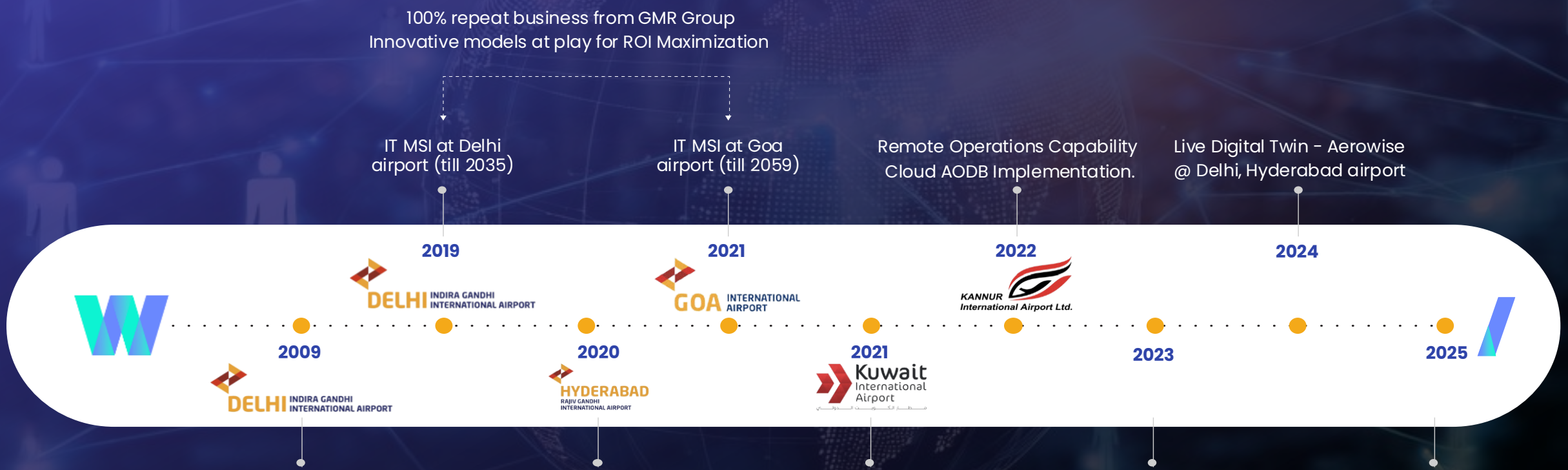
★ Integrated Operation Command & Control Center

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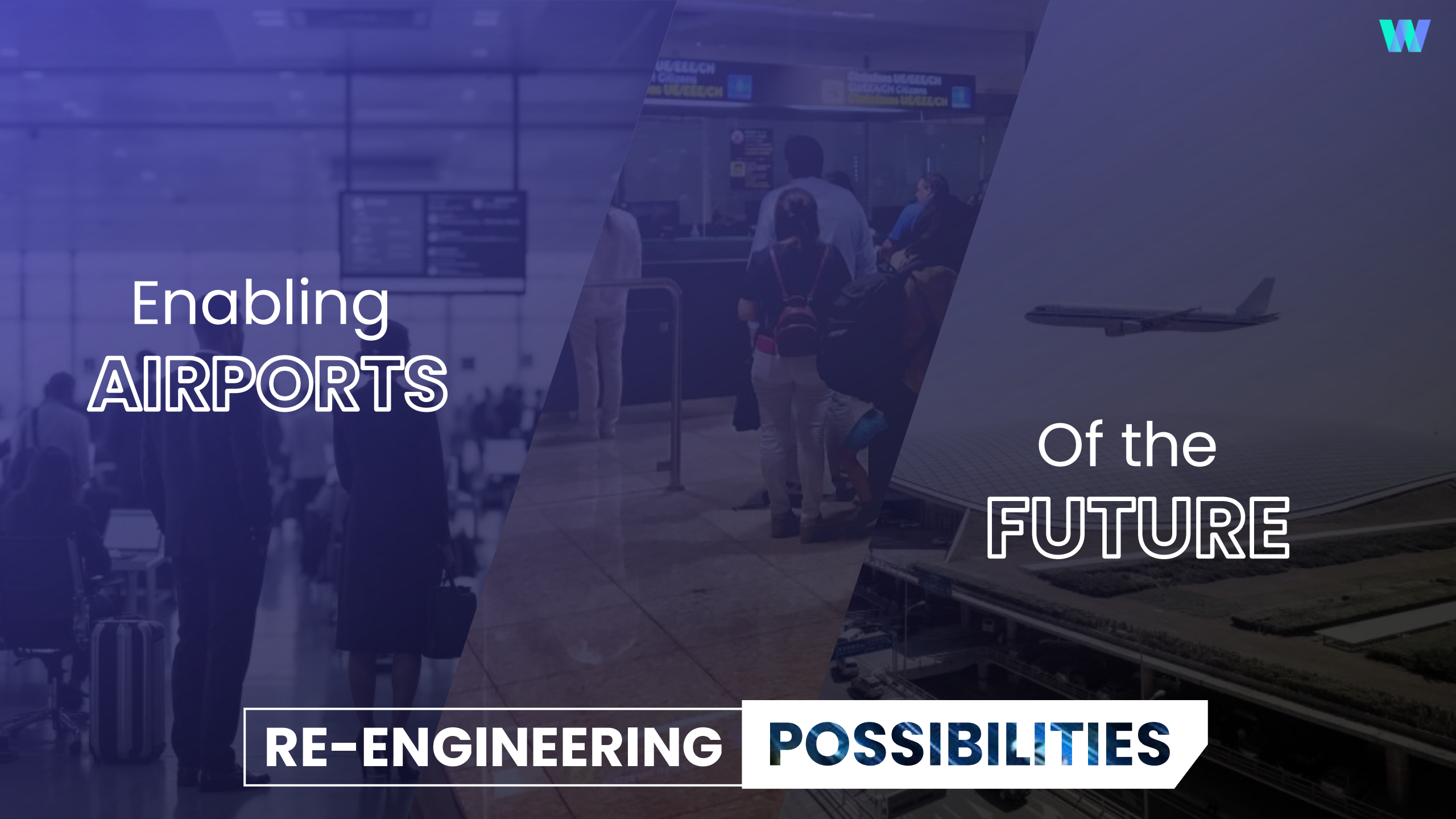
Our Growth Story

15 years

of delivering unparalleled customer experience driven by passion & excellence



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Enabling
AIRPORTS
Of the
FUTURE
RE-ENGINEERING
POSSIBILITIES

DIGITAL - TWIN POWERED

AEROWISE

Ushering in a new age of Total Airport Management



AIRSIDE

- Advanced Air Traffic Analytics
- Smart Airside Operations and Safety
- Runway Efficiency Monitoring
- Foreign Object Detection & Perimeter Security

TERMINAL

- Real-Time Passenger Insights
- Passenger Flow & Utilization Analytics
- Intelligent Crowd Management
- Advanced IT Operations

LANDSIDE

- Smart Traffic Surveillance
- Enhanced Parking Intelligence
- Forecourt Analytics
- Cloud-Based Access Control

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Powered By AEROWISE

Digital Twin

Our Digital Twin Powered Airport Predictive Operations Command Center, transforms end-to-end airport operations & processes.







40+ **Modules** across safety, analytics, operations and pax engagement

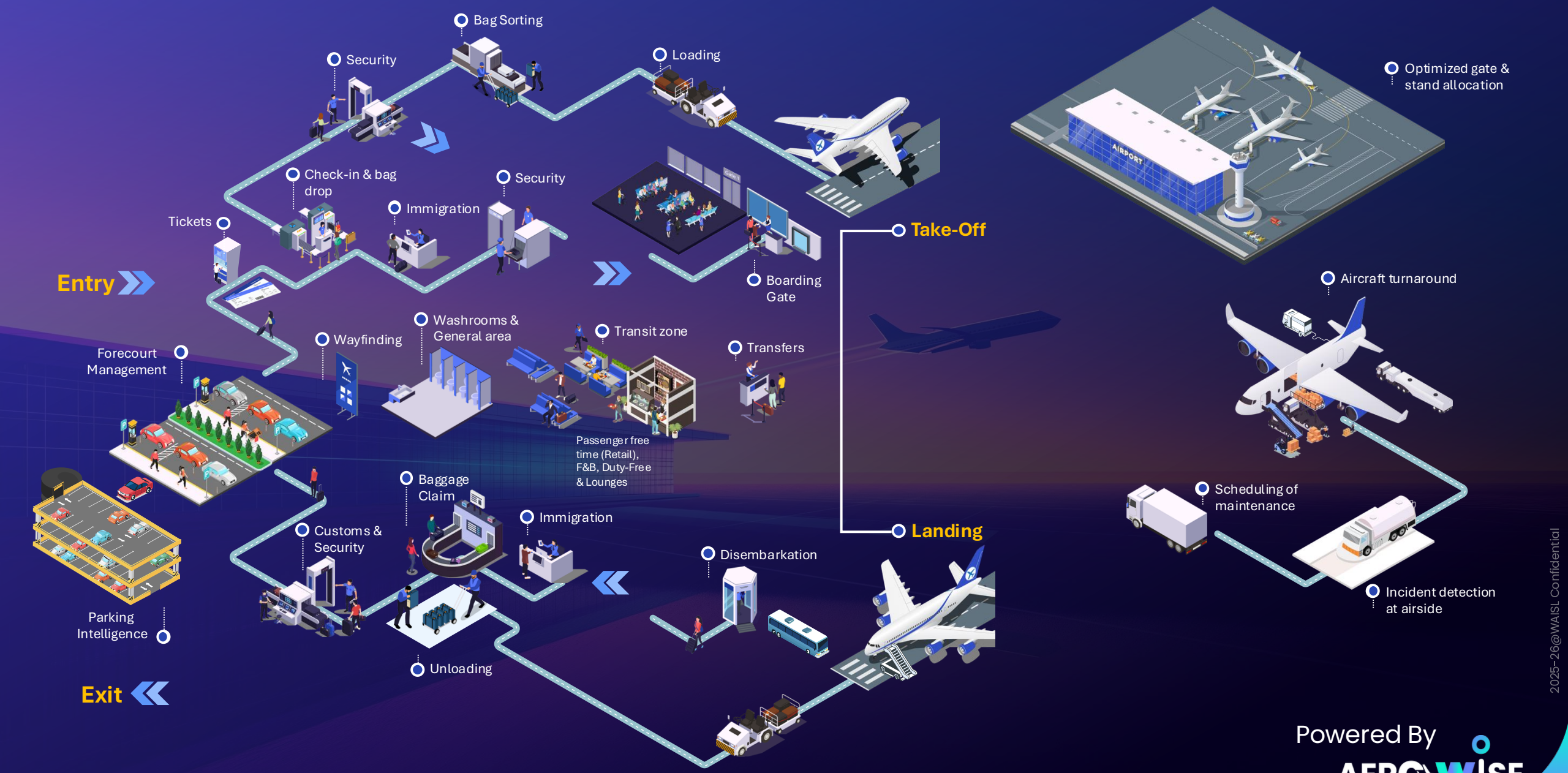
100+ **KPIs** monitored across Airside, Terminal, and Landside ops



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From Fragmented Touchpoints to a Connected Flow – TAM



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Powered By AEROWISE

How Digital Intervention Becomes Possible with WAISL Solutions

AEROWISE

First-of-its-kind E2E Integrated Solution

Visualization Layer

- KPI Reporting
- Real-time dashboarding
- Simulator
- Digital Twin

Business Intelligence Layer

- Plan of the Day (Inc Monitoring & Reporting)
- Aircraft Turnaround Time
- Baggage (FB/LB)
- Landside Management
- Terminal Management
- Passenger Turn up
- Airside Management
- Optimizer

Data Layer

LISA Platform

Integration Layer

WAISL Middleware

Foundational Source Systems*

IT Systems

- AODB
- Cameras
- Google Maps
- Xovis - LIDAR
- Airline DCS
- EPOS
- Weather
- E-Gates
- BHS
- BRS
- Wi-Fi APs
- ATRS
- CUSS
- LDM & PTM
- Check-in
- SBD
- ITOM/ ITSM
- ADSB

OT Systems

- Power Fence
- Access Control
- Solar Plant
- PBB
- Elevators
- BMS
- Escalators
- FAS
- Telematics
- Travelators
- GPU/ PCA
- Smart Trolley
- Light Monitoring
- Telemetry
- Water Levels
- VDGS

WAISL System/IP Integrated

External Systems Integrated

*Non-Exhaustive

Highly Configurable as per Airport Needs

A. **Future Ready:** Next-gen capabilities such as AI/ML-powered predictive analytics and digital twin with 3D visualization and interaction enabling Real-time, intuitive operational view.

B. **Plug and Play use cases:** Pre-built and customizable solutions designed to adapt to evolving airport needs

C. **Flexible Platform:** Deploy WAISL's LISA platform or seamlessly integrate with existing airport platform to enable data collection from diverse devices and video feeds. Unify, clean, and manage IoT and vision data.

D. **AI & ML-Driven Insight :** Deploy independently or with tailored use cases, Real-time analytics across data streams for predictive and prescriptive decision-making.

E. **Modular Middleware :** Equipped with 40+ pre-built connectors for seamless integration with legacy, IT, and OT systems scaling effortlessly with pax growth

Flexible deployment models—on-prem, cloud-based, and hybrid—supporting multi-airport systems with remote central management

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Next-Gen Plan-of-the-Day

Real-time forecasting, intelligent resource allocation, and effortless collaboration

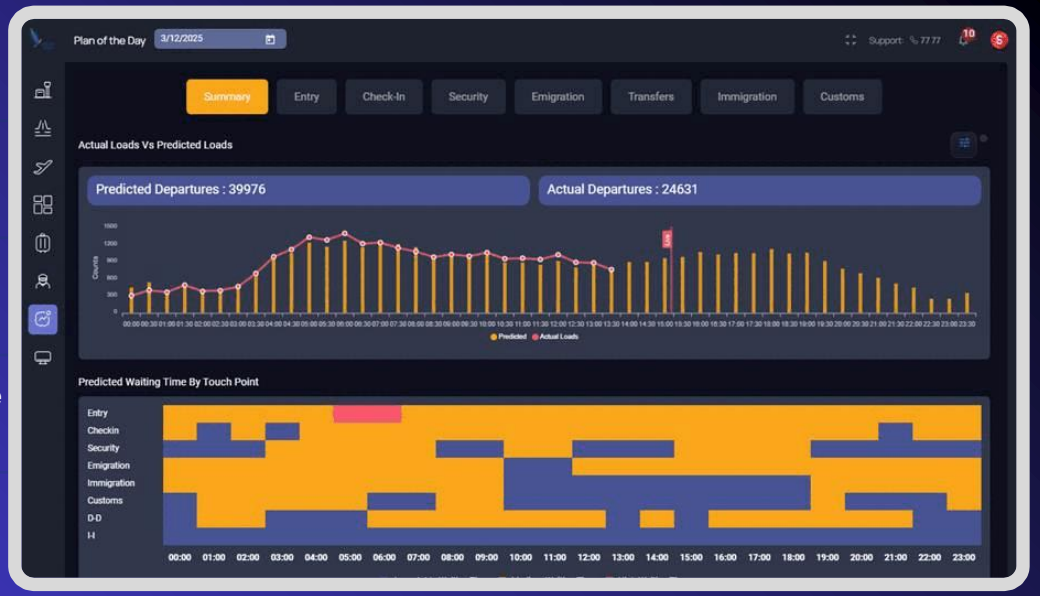
Dynamic passenger presentation curves: show-up forecasts to plan staffing and resources

What-If Scenarios: Instantly model disruptions or surges for rapid, data-driven decisions

Proactive Resource Allocation: Deploy manpower and equipment in advance based on predictive analytics

Frequent Data Refresh: Updated every few hours, ensuring near real-time accuracy and responsiveness

Collaborative Planning: Shared dashboards and metrics keep all stakeholders aligned and informed



Key value drivers

- **Improve resource planning and utilization**
- Dynamic adjustment of resources to **drive lower wait time for high SPP pax categories** (non-aero revenue)
- **Streamline maintenance schedules** basis pax flow patterns
- **Reduce manpower required** through better rostering based on pax flow patterns

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Aircraft Turnaround Manager

Real-time monitoring ensuring on-time performance

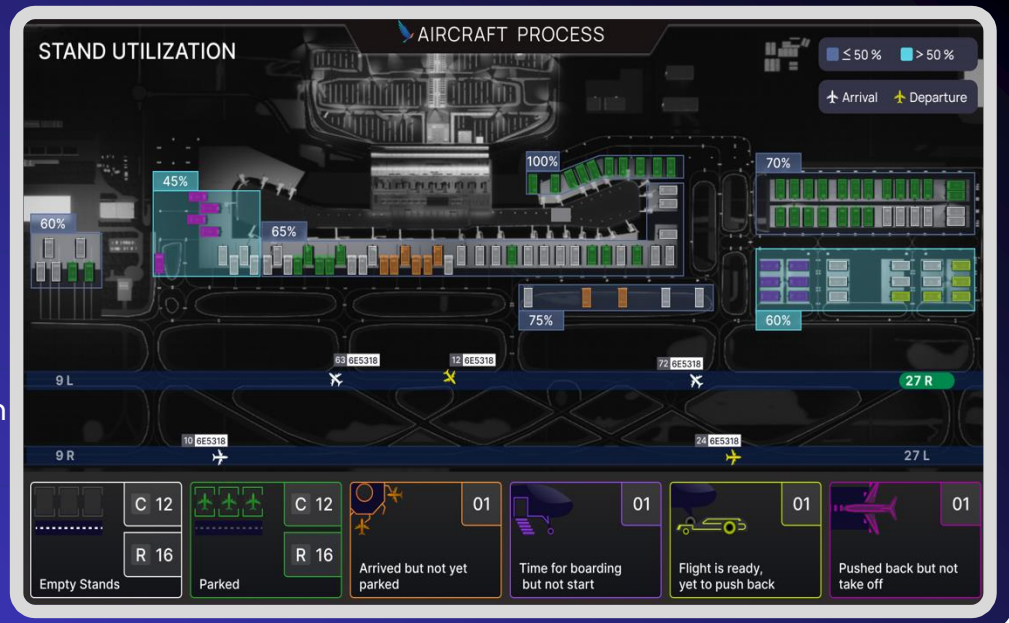
Real-Time Tracking: Monitor critical path activities—from arrival to departure—in one centralized view (e.g. cleaning, fueling, etc)

Predictive Alerts: AI—driven insights spot potential delays early

Collaborative Dashboards: Shared visibility across airlines, GHAs, and ground teams for rapid decision-making

Root-Cause Analysis: Identify and address bottlenecks swiftly, cutting down on recurring delays

Improved Passenger Experience: Ensured on-time departures, reduced disruptions, and higher satisfaction



Key value drivers

- **Improve stand utilization** through enhancement in A/C turnaround efficiency
- **Predict potential delays** and provide airline/ GHAs granular visibility into issues impacting PTS

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Unlocking Value with AEROWISE

Enhancing Efficiency, Revenue, and Cost Optimization for Smarter Airports

Value buckets	Potential Value from AeroWise implementation
Operational efficiency	1 Improve resource planning and monitoring to manage higher pax throughput while maintaining Los
	2 Establish and trigger Early warning signals to minimize Los slippage instances
	3 Improving stand usage through enhancement in A/C turnaround efficiency by providing airline and GHAs granular visibility into issues impacting PTS performance
Non-aero revenue increase	4 Improving planning and dynamic adjustment of resources to drive lower wait time for high SPP pax categories
	5 Assist in designing new revenue streams by providing real-time insights for data-driven decision-making
Cost reduction / avoidance	6 Reducing manpower required per million pax through better rostering based on pax flow patterns
	7 Faster incident resolution minimizing disruption cost

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Powered By AEROWISE

Proven Impact - Success Story

AEROWISE at Hyderabad Airport enables real-time dashboards with predictive analytics and post-ops analysis



Launch of **India's first Digital Twin Powered Airport Predictive Operations Center**

- **Real-time Dashboards** for Proactive Monitoring
- **Predictive & Prescriptive Analytics** to Optimize Resource Allocation with Scenario Simulators
- **Management by Exceptions**
- **Post-ops Process Analytics**
- **Best –in Class Video Analytics**
- **Con – Ops Driven**
- **35+ Systems Integrated** (Includes Airport IT & OT Systems)

Potential to have a unified view of operations across multiple airports

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Powered By AEROWISE

Full Suite Airside Management Solutions

Empowering airside operations teams to provide secure and safe services with faster turn arounds

Modules & Features

- Turnaround Analytics & Post Ops Assessment
- Seamless Coordination & Situational Awareness
- Predictive Resource Allocation & Optimization
- Real-Time Safety & Hazard Alerts

Unified **T**otal **A**irside **M**anagement ensures predictable operations, minimizes aircraft turnaround delays, and enhances airside safety standards.

1. Integrates advanced technologies such as IoT, computer vision, and real-time data tracking to optimize airport and airline operations.
2. Continuously analyze airside operations to improve decision-making, enhance efficiency, reduce irregularities, and ensure airside safety and on-time performance.
3. Provides a 360-degree real-time view of the airside, offering alerts and actionable insights for immediate response.

UTAM aims at

- Improve OTP
- Provide Actionable Insights
- Reduce Safety Incidents
- Enhance Airside Visibility

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Unlocking End-to-end Airside Excellence With UTAM

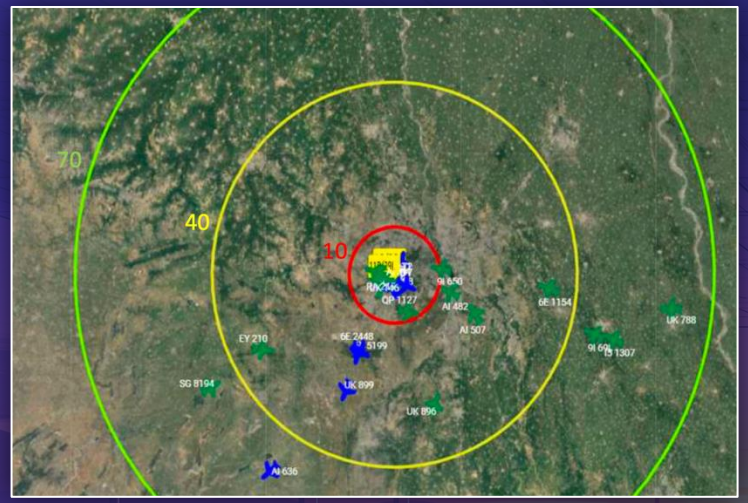
AI-Powered Efficiency, Delay Prevention & Seamless Operations

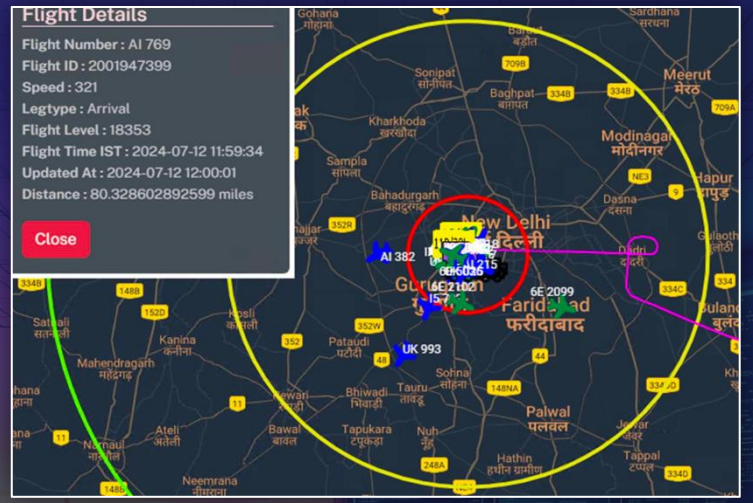
	Airline	Airports	Ground Handling Agents
Offerings	AI-Driven Airside Efficiency & Delay Prevention System	SMART Resource & Workforce Management Platform	Intelligent Gate & Airside Management System
Value Addition By UTAM	• Cost Reduction – Minimize fuel consumption, crew, gate, and handling charges ($80–150 per minute) by reducing delays. • Improved OTP (On-Time Performance) – AI-based predictive analytics for turnaround time optimization. • Reduced Cascading Delays – Avoid penalties, missed slots, and passenger compensation by preventing network disruptions. • Enhanced Passenger Experience – Fewer delays mean better brand reputation and increased customer loyalty. • Seamless Airline Coordination – Integrated data sharing for proactive flight scheduling and turnaround management.	• Improved SLA Compliance – Efficient resource allocation prevents penalties from airlines. • Enhanced Safety & Compliance – Reducing pressure and unpredictability minimizes workplace accidents. • Better Service Quality – Proactive delay management improves turnaround times and passenger satisfaction. • Resource Optimization – Predictive workforce planning ensures availability without overstaffing. • Lower Operational Costs – AI-driven scheduling reduces overtime, and maintenance costs.	• Optimized Gate Utilization – Faster turnaround means increased gate availability and higher throughput. • Reduced Congestion – AI-based taxiway and runway optimization to prevent bottlenecks. • Slot & Schedule Adherence – Ensures smooth operations and minimizes disruption due to delays. • Increased Traffic Handling Capacity – Enhanced efficiency leads to more flights handled per day. • Stronger Airport Reputation – Higher OTP makes the airport attractive to airlines and passengers.

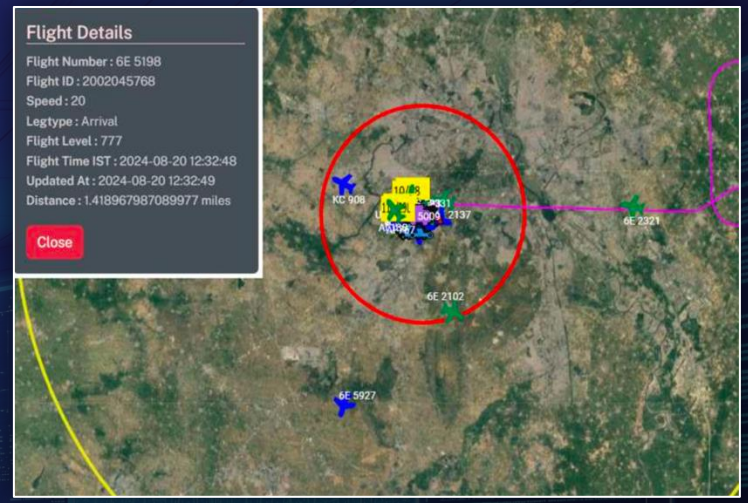
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From Touchpoints to Timely Interventions







Miles View	70 Miles (Strategic Planning)	40 Miles (Operational Readiness)	10 Miles (Immediate Readiness)
Functionalities	• Flight Tracking & ETA • Resource Pre-Allocation • Weather & Disruption Alerts • Preliminary Staff Planning	• ETA-Based Gate Readiness • Ground Service Preparation • Crew & Equipment Check • Fueling & Catering Setup	• Stand & Gate Check • Passenger & Baggage Sync • Contingency & Redeployment Actions • Last-Minute Maintenance Alerts

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Powered By AEROWISE

Full Suite AI/ML Solutions

Empowering teams to deliver world-class experiences backed with predictive and prescriptive insights

- Baggage Management
- Turnaround Management
- Queue & Flow Management
- Security & Immigration
- Retail Optimisation
- Staff & Shift Optimization
- Dynamic Flight Schedules

Passenger Operation

- Optimized queue & passenger flow
- Automate security & immigration
- Minimize passenger wait times

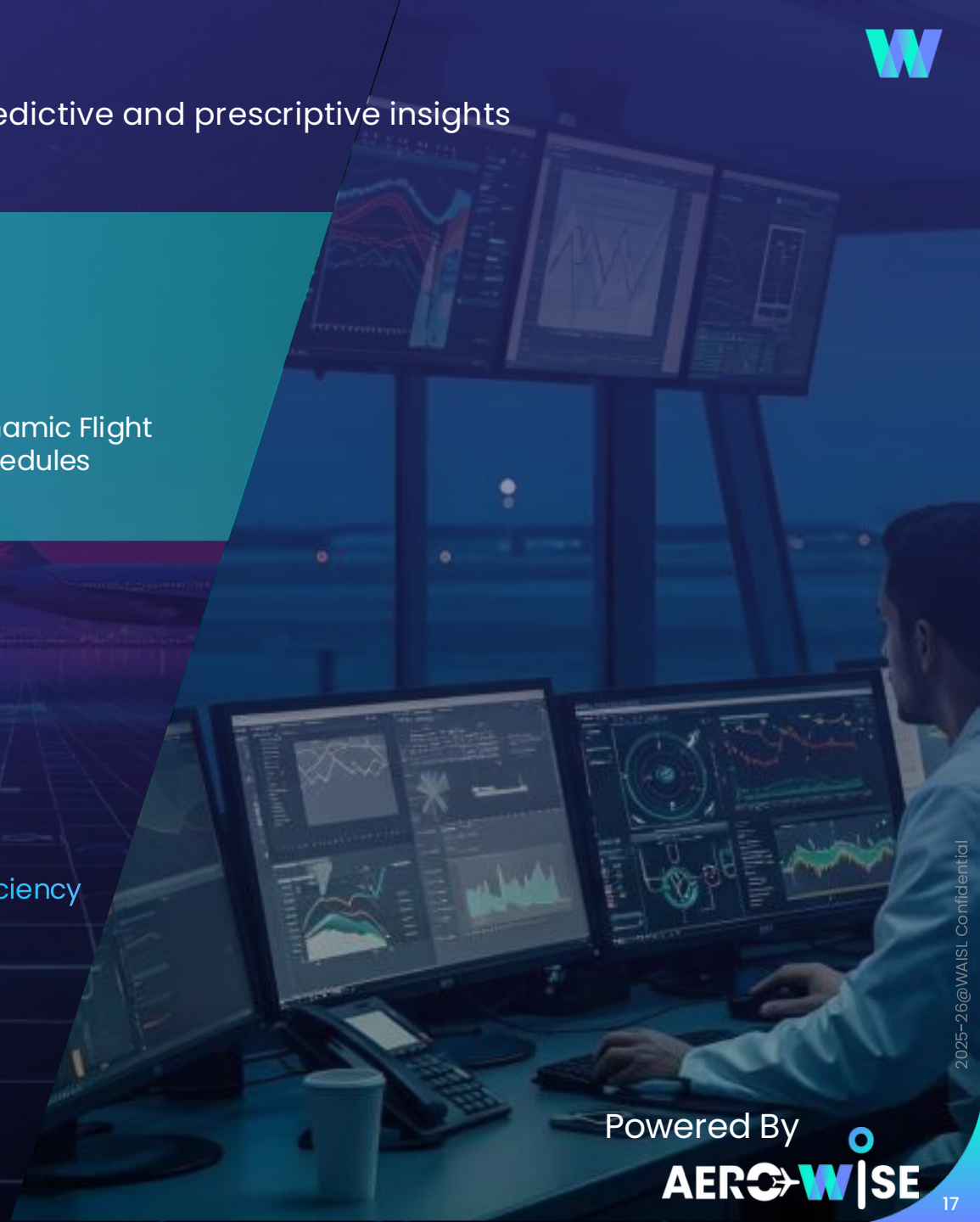
Passenger Engagement

- Present contextual information
- Increase retail dwell times
- Offer wayfinding

Airport Operation

- Turn around & flow management
- Automate staff management
- Track assets in real-time

Enhanced Airport Efficiency



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Airport & Passenger Processing Solutions



Biometrics &
Facial Recognition



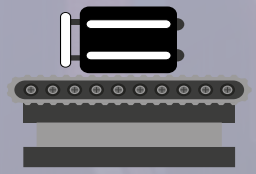
Self-Service
Kiosk



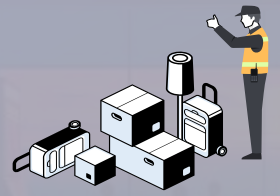
Self-baggage
Drop



Flight Information
Display Systems



Baggage Reconciliation
Service



Airport Resource
Mgmt. Solutions

Streamlining airport operations with smart next-gen passenger processing solutions for seamless travel experiences, focussing on ease, speed, and world-class experiences at every step.



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Biometric & Facial Recognition Solutions

Empowering teams to deliver world-class customer experiences



YOUR FACE IS YOUR ID





Self-Check-in

Passing Security Check Automated Access

Self–Boarding

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Full Suite Video Analytics Solutions

World-class experiences by keeping operating environments safe and secure

Unified & Intelligent video analytics solution with AI covering terminal side, airside and landside operations.



Crowd Analytics



Facial Recognition



Automatic Number Plate Recognition



Left Baggage



Smart Parking



Worker Safety

Check-In

Security Check

Custom Control

Boarding Gate

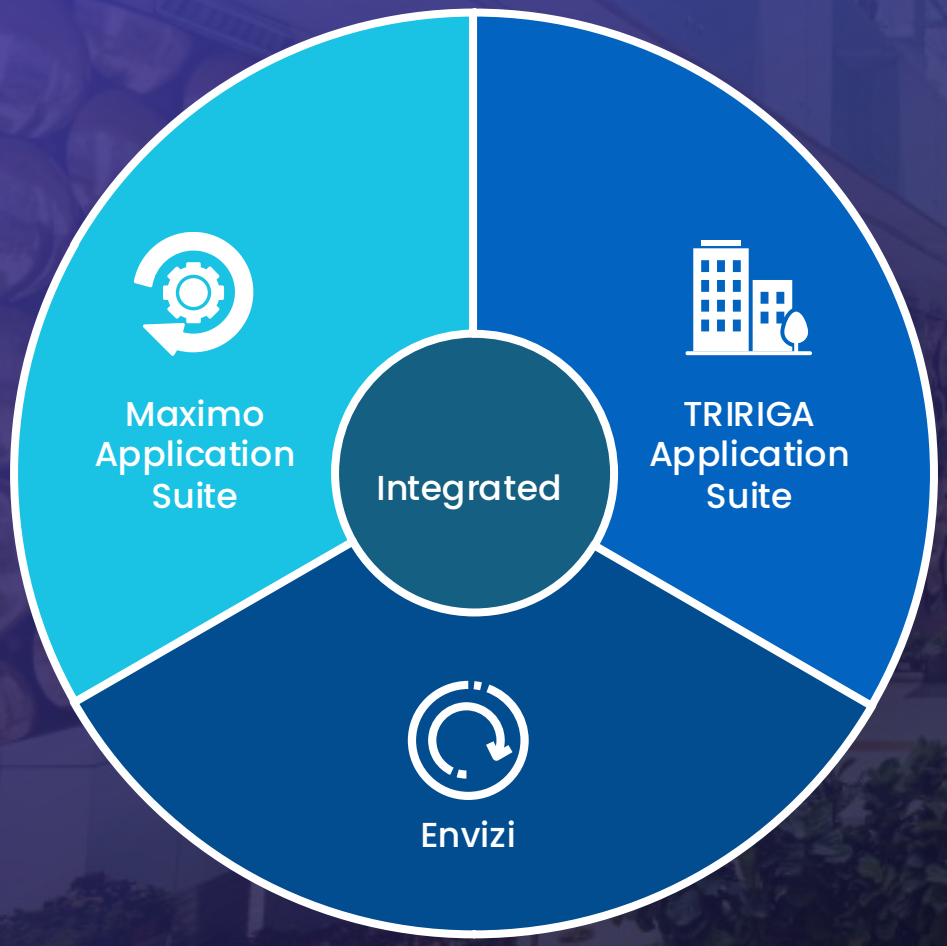
Secure Area

Powered By AEROWISE

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Full Suite Sustainability Solutions

Best-in-class capabilities to provide a complete view of your assets to maintain your sustainability goals





INTEGRATED SOLUTION **USAGE FLEXIBILITY** **MULTI-CLOUD DEPLOYMENT**

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Future - Ready Data Centres

With virtualization at the core

Our Expertise

Design Consulting & Technology Modernization

Master Systems Integration (MSI)

24x7 Managed Services



1500+
VMS

72000+
Endpoints

800+
Switches

17+
Petabytes of storage

400+
Physical servers storage backup

10000+
Service requests resolved monthly

Our Differentiators

State-of-the-art virtualization

Technology leadership

Tailored Solutions aligned with SLAs

Decade of IT expertise

Improved Sustainability

Vendor-neutral integration

- Expandable computing & storage to meet any business demands.
- Multi-OS platform support with easy integration & updates.
- Scalable, flexible virtual environments for diverse workloads.

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Disaster Recovery Infrastructure Solutions

Avant-Grade Data Resilience for Any Scenario

Stay Always-On with:

- Multi-Site Active-Active Failover
- Ultra-Low Latency Data Replication
- Hybrid & Multi-Cloud Disaster Recovery
- AI-Driven Predictive Failure Mitigation
- Automated Failover & Self-Healing Systems

N-GEN Business Continuity Solutions:

- Data Centres & Dual DR Links
- Security Command & Control Centre
- Airport Operations Database & BI
- Cybersecurity & Threat Intelligence



The WAISL Advantage

- Zero Trust Security & Compliance-Ready DR
- Scalable Architecture for Mission-Critical Workloads
- 11+ DR Clusters for High Availability
- 24/7 Real-Time Threat Intelligence
- Sub-5ms Recovery Point Objective (RPO)

NO DISASTER RECOVERY CHALLENGE TOO TOUGH TO SOLVE

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Smart City Solutions

Redefining the future of smart cities and aerotropolises, where innovation drives convenience and sustainability

Enabling aerotropolises of the future with innovation & excellence

Live and operational at Delhi International Airport



Transforming Smart Cities with N-GEN Solutions

- **Aerotropolises covering** terminals, retail, offices, & roadways
- **Smart Integrated solutions** with real-time monitoring & automation capabilities
- **Digital Twin** for predictive visual insights & real time simulation
- **AI-driven Command & Control Centre (ICCC)** for real-time decisions

Key Offerings:

- Integrated Command & Control Centre
- AI/Video Analytics & predictive maintenance
- Digital Twin & Visual Intelligence

Differentiators:

- Leader in **aerotropolis** master systems Integration
- Proven success in **large-scale transformations**
- **AI/ML-powered** decision-making with real time situational awareness
- Strong **partner and OEM** ecosystem

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Cybersecurity Solutions

Ensuring proactive, resilient, and secure cybersecurity solutions for your operations

Risk Assessment & Mitigation
Identifying and managing vulnerabilities proactively

AI-Powered Threat Detection
Rapid identification & response to emerging cyber threats

Data Protection & Encryption
Safeguarding sensitive information with advanced security

24/7 Monitoring & Incident Response
Ensuring operational security with real-time threat management

Global Compliance Standards
Compliance with international standards – ICAO Cybersecurity Strategy, FAA Cybersecurity Guidelines and NIST Cybersecurity Framework.



In Partnership with GRAMAX
A GMR GROUP ENTERPRISE

Leveraging AI-driven security expertise to reinforce our commitment to resilient and innovative technology solutions

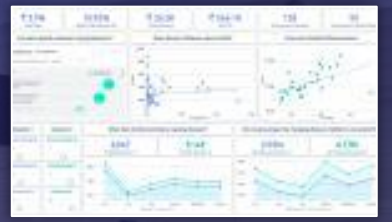
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Full Suite Retail Analytics & EPOS Solutions

Best-in-class capabilities to provide a complete view of your assets to maintain your sustainability goals











Our Key Differentiators

Mature ERP + POS Solution

10,000+ customers & 25000+ customer locations.

Data Connectivity

Integrates effortlessly with SQL, Excel, cloud services, and APIs.

Security

Our solution offers Data Leak Protection & strong MDM solution by default.

Cost Efficiency

Affordable and scalable, with flexible subscription pricing to suit businesses of all sizes.

Integrated Solution

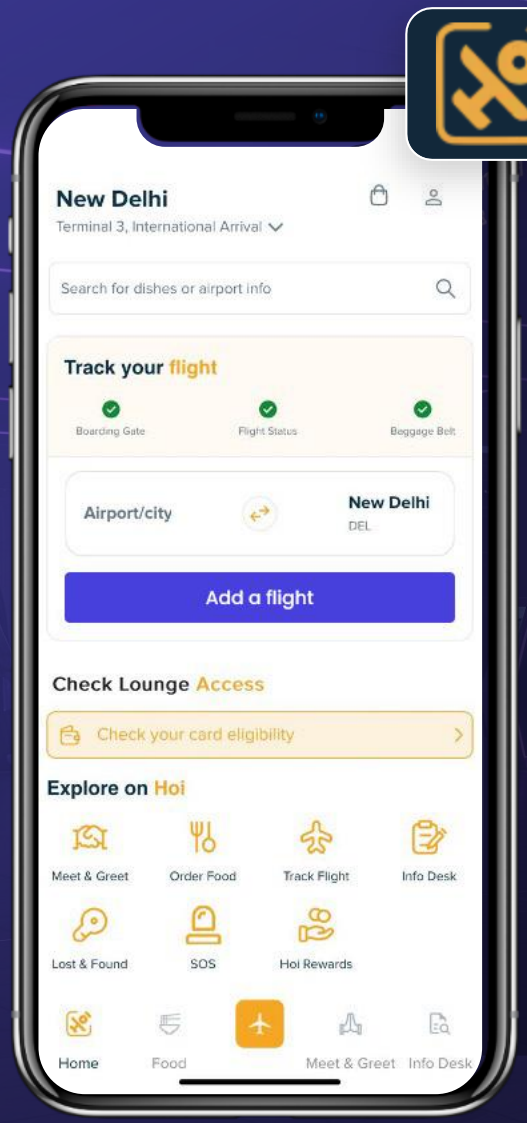
Our solution capabilities include in-house POS Hardware & Software, offering a seamless outcome.

Real-Time Analytics

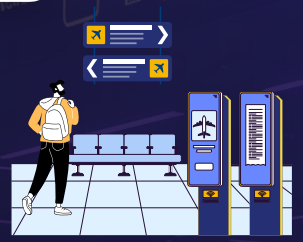
Real-time dashboard updates for instant KPI monitoring and quick decision-making.

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Hoi: Your Complete Travel Solution



Think travel, Think Hoi – Passenger Experience Redefined



Way Finding

Easily navigate the airport with our Wayfinding Service, guiding you to your destination effortlessly.



Food & Beverages

Order ahead & enjoy a range of Indian and international cuisines for a convenient airport dining experience.



Flight Information

Track real-time flight updates by airport, route, boarding pass, or flight number to stay informed and save time.



Cab Booking

Enjoy safe, reliable rides with trained drivers—no last-minute cancellations, price changes, or hidden fees.



Loyalty

Join our loyalty program for exclusive rewards, personalized offers, and priority access—all tailored to you.



Meet & Greet

A warm welcome to make your journey stress-free.



Wheelchair Assistance

Dedicated support for easy and comfortable travel.



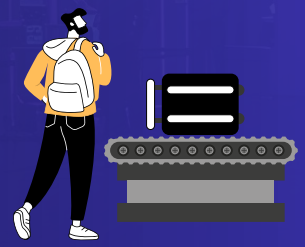
Duty-Free

Pre-order & collect your products at the airport for a smooth, hassle-free experience.



Lounge Assistance

Clear directions to your lounge for relaxation.



Baggage Handling

Seamless check-in assistance for your convenience.

Making every part of your travel effortless

Powering door-to-door experience-driven journey

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We Don't Just
INNOVATE
We
TRANSFORM
RE-ENGINEERING
POSSIBILITIES

RETAIL & MALLS

Virtual Assistant & Payment Solutions

Crowd Management & Analytics

Integrated Command Centers

SHIPPING

Cargo Tracking & Scheduling

Video Analytics & Surveillance

TRANSPORTATION

Logistics & Scheduling

Video Analytics & Surveillance

Integrated Command Centers

HEALTHCARE

Patient Engagement

Smart Triage

Asset Tracking

SMART CITIES

Traffic & Parking Optimization

Smart Infrastructure/BMS

Integrated Command Centers

METRO & RAILWAYS

Crowd Management & Analytics

Video Analytics & Surveillance

ENERGY

Video Analytics, Drone & 3D Printing

Integrated Command Centers

INNOVATE

TRANSFORM

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Our Partners

Delivering unparalleled excellence through integrated solutions and channel partnerships

Domain & Business Partners



GROUPE ADP · GMR

Airport Operator Partners

GMR AERO ACADEMY · GMR AERO SCHOOL OF AVIATION

Talent Partners

DTP · SKY · arth

Teaming Partners

Industry & Technology Partners



BCG · YCP Auctus

Industry Experts

aws · kloudspot · RESA

Technology Partners

GMR innovex — THE INNOVATION EXCHANGE

Startup Ecosystem Partner

Solution & infrastructure Partners



Honeywell · SITA · Collins Aerospace · AMADEUS · EMBROSS · IBM · SAP · cisco · hp

ORACLE · RecoSmart 3.26 Recognition System · iDR · aruba · RUCKUS COMMSCOPE · IDEMIA · Meraki · XOVIS · Cambium Networks

LS Retail · Johnson Controls · AllGoVision see. sense. secure · solarigudine · EnGenius · kontakt.io · riverbed · XIRRUS WI-FI NETWORKS

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Waisl
Innovate / Transform
RE-ENGINEERING POSSIBILITIES