SEARIDGE
TECHNOLOGIES

INTELLIGENT STAND MANAGER

AI-Powered Stand Management and Airport Optimization

Intelligent Stand Manager transforms airport stand allocation, replacing static and inefficient processes with a dynamic AI-powered solution designed to maximize airside utilization.

Using sophisticated algorithms and real-time data integration, **Intelligent Stand Manager** enables airports to move from reactive management to proactive, strategically optimized stand planning.

Enhance stand management with intelligent, data-driven planning. Quickly generate pre-operational stand plans and optimize daily allocations in real-time, aligning with key performance indicators (KPIs). By leveraging AI, machine learning, and advanced algorithms, the system automates the creation of a robust pre-tactical plan, significantly reducing manual planning efforts. Continuous data integration from multiple sources ensures that stand plans are always up to date, improving strategic and tactical airfield management while streamlining traditional stand planning and allocation processes.

Trust **Intelligent Stand Manager**, backed by over 15 years of airside efficiency expertise, technology innovation, and data intelligence across airport, airline, and airside operations.

ENHANCED AIRFIELD FLOW

Transform your airport's stand allocation with our cutting-edge digital twin technology. Sophisticated algorithms consider factors well beyond the gate including airline preferences, terminal maneuvering areas, and customizable rules to optimize aircraft flow across your entire airport.

Achieve your capacity and operational targets with our modern data-driven stand planning solution.

INTELLIGENT STAND MANAGER FEATURES

AUTOMATED CONFLICT RESOLUTION
Reduce wait times and fuel consumption, enhance environmental performance, and reduce workloads for pilots, ground crews, and air traffic controllers.

REAL-TIME STAND PLAN OPTIMIZATION
Seamlessly integrate multiple data sources, maximizing all airside assets and resources.

AI-POWERED OPTIMIZATION
Harness artificial intelligence and complex algorithms to produce daily optimized stand plans.

WHAT-IF SIMULATIONS
Boost airport resilience, operational efficiencies, and asset utilization with airfield, terminal, and schedule scenarios.

KPI-FOCUSED REPORTING
Unlock data-driven insights aligned with your key performance metrics in real-time data dashboards.

ADVANCED MACHINE LEARNING
Analyze historical data to optimize flight links, schedules, passenger experience, improve safety compliance, and reduce carbon emissions.

HOW INTELLIGENT STAND MANAGER BENEFITS YOU

OPTIMIZED AIRPORT OPERATIONS
Increase passenger satisfaction, airline efficiency and environmental sustainability with dynamic scheduling and reduced ground handling complexity.

REDUCED ENVIRONMENTAL IMPACT
Minimize wait times and decrease fuel burn, enhancing overall environmental performance.

STREAMLINED OPERATIONS
Shift from static planning to a dynamic, real-time stand allocation solution that adapts to operational needs.

COST SAVINGS
Limit fuel burn, optimize staff allocation, improve turn management accuracy, and reduce ground handling time with consistent and optimal allocations.

INTEGRATED SUPPORT
Trust in the Searidge team to provide thorough and responsive product support and training.
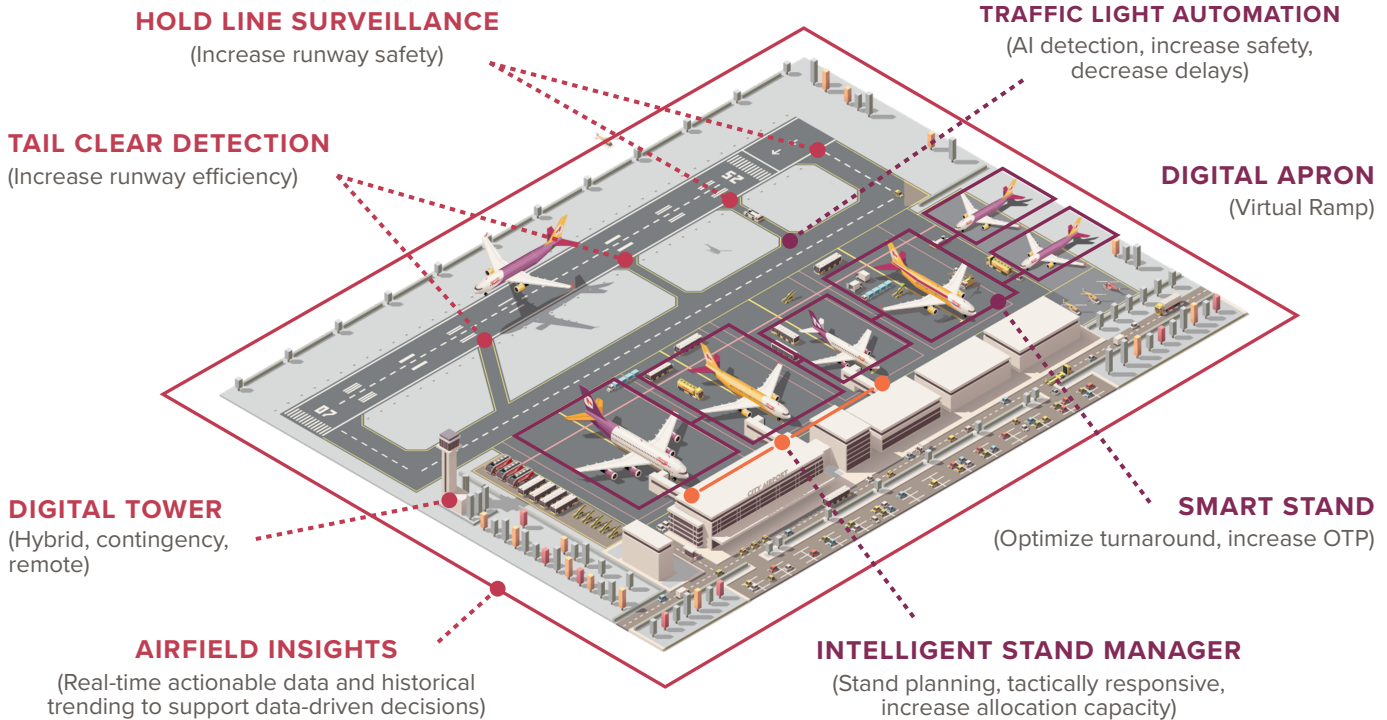
DATA-DRIVEN PERFORMANCE
Optimize stand plans based on KPI criteria such as increasing gate efficiency and reducing towing and coaching costs.

DIGITAL AIRSIDE OPERATIONS
TOWER TO GATE EFFICIENCY WITH THE SEARIDGE CHORUS PLATFORM

Intelligent Stand Manager is powered by Chorus, our cloud-native, non-proprietary digital platform. Chorus is an open, secure, scalable platform that integrates diverse data sources and technologies, eliminating operational silos to enable real-time decision-making and situational awareness across your airport operations.

HOLD LINE SURVEILLANCE
(Increase runway safety)

TRAFFIC LIGHT AUTOMATION
(AI detection, increase safety, decrease delays)

TAIL CLEAR DETECTION
(Increase runway efficiency)

DIGITAL APRON
(Virtual Ramp)

DIGITAL TOWER
(Hybrid, contingency, remote)

SMART STAND
(Optimize turnaround, increase OTP)

AIRFIELD INSIGHTS
(Real-time actionable data and historical trending to support data-driven decisions)

INTELLIGENT STAND MANAGER
(Stand planning, tactically responsive, increase allocation capacity)

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Discover the Possibilities
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