Unlock the full revenue potential of your airport operations.
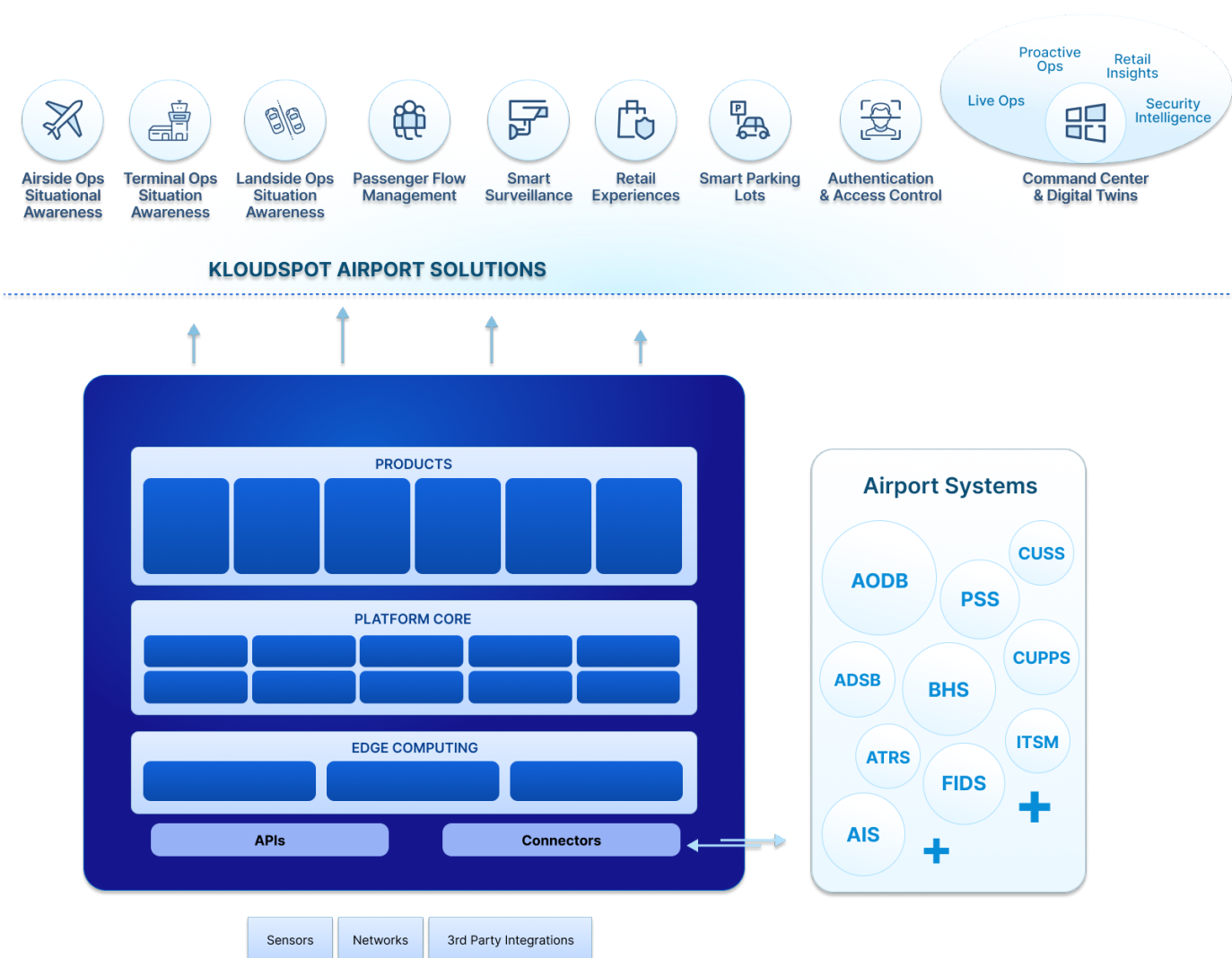
Elevate your airport management system and passenger experience with the world's premier Airport Operations System powered by Kloudspot Lisa Platform. Empower your decision-making with data-driven insights and create a delightful passenger experience. Kloudspot integrates new technologies, including AI, IoT, video cloud, big data, and an integrated Communication Platform (ICP) to enhance passenger satisfaction and improve airport operational efficiencies.

Kloudspot LISA
– The Platform for Airport Digital Transformation

Kloudspot's Location Intelligence and Situational Awareness (LISA) is a Platform as a Service offering. LISA helps Airport Operations Teams to source critical edge information from multiple sources like IP Cameras, wired and wireless systems, Bluetooth censors, and operations systems into a single framework.

Using LISA's Situational Awareness, airport managers can anticipate changes effectively, minimize operational blocks, and maximize performance. Kloudspot's Computer Vision solutions provide predictive analytics, faster response times, and operational efficiencies, driving new revenue streams.

With LISA, you can monitor and enforce policies, generate alerts, conduct forensic searches of historical videos, and generate data for simulations, giving you unparalleled insight into your airport operations.

Key out-of-the-box features enabled by LISA

Command and Control Center

- Deliver the most flexible management environment to suit their specific challenges.
- Plan for the next day using advanced prediction algorithms.
- Measure variances between planned and actual data and auto-generate notifications.
- Plan staff allocation on predicted load and optimize limited resources.

Passenger Flow Management

- Provide queue wait times at various checkpoints.
- Deploy airport and airline staff efficiently to handle passenger loads.
- Use policy-driven alerts to resolve issues with efficacy.

Authentication and Access Control

- Facial biometrics for authentication of passengers and airport staff.
- Intrusion detection for perimeter security.
- Use policy-driven alerts to resolve issues with efficacy.

Retail Experiences

- Understand customer traffic to retail.
- Maximize retail revenues through designed experiences and analysis.
- Optimize staff hours for peak passenger traffic.
- Measure customer conversion rates using vision analytics.

Smart Surveillance

- Identify suspicious activity, automaticlly record precise video snippets, and generate alerts.
- Identify firearms, smoke, fire, and persons of interest.
- Conduct forensic searches of videos simply using NLP.

Smart Parking Lots

- Enable Automatic Number Plate Detection (ANPR)
- Optimize parking lots by identifying poorly parked vehicles.
- Identify abnormal activity and loitering.
- Identify short-stay, long-term & abandoned vehicles.
- Enable fire detection.

Predictive and Prescriptive Analytics using Digital Twin simulations

Kloudspot LISA platform leverages digital twins to offer predictive and prescriptive analytics. Using digital twins, Kloudspot collects and integrates vast amounts of data from various sources, including airport systems, sensors, and IoT devices to monitor and analyze the real-world environment from kerb to gates in real time.

Kloudspot's predictive analytics uses advanced algorithms and machine learning techniques to analyze historical data and identify patterns and trends. The platform predicts possible future outcomes or events by analyzing past behaviors and events. Using optimization algorithms on the predictions, the algorithms prescribe the best course of action to achieve a desired outcome.

Overall, Kloudspot's use of digital twins, predictive and prescriptive analytics enables airports to gain deep insights into their physical environments and make data-driven decisions. By leveraging these capabilities, airports can improve operational efficiency, enhance customer experiences, optimize resource utilization, and proactively address potential issues.

About Kloudspot

Kloudspot is the leader in enabling digital transformation for businesses by creating intelligence and engagement systems over cloud-managed wireless and sensor networks. Kloudspot's Situational Awareness platform, LISA, provides business value by converting the physical actions of people and devices into digital data analyzed for data-driven insights. Businesses can harness these real-time digital insights to deliver better customer experiences and devise revenue-generating online and offline opportunities.

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