

Smart Airports Asset Groups and Assets

Airport Administration

- Enterprise Management System (including risk systems)
- Asset Inventory Management System
- Human Resources Management System
- Procurement Management System
- Policy Management System
- Financial Management System

Airline/Airside Operations

- Air Traffic Management (ATM), Navigational Aids and Approach
 - Flight Tracking Systems
 - Local DCS and Weight and Balance
 - Meteorological Information Systems
- Airport Resource and Infrastructure Management Systems
 - Departure Control Systems (DCS)
 - De-icing Systems
 - Airfield Lighting and Runway Control and Monitoring Systems (inc. distance measurements equipments)
 - Airline Gateway Server Systems
 - Cargo Processing Systems
 - Portable Aircraft Data Loader
- Communication, Navigation and Surveillance (CNS)
 - Aircraft Re-fuelling Systems
 - Airport Operation Database (AODB)

Landside Operations

- Airport Landside Operations Systems Control Center
 - Automated Vehicle Identification (AVI)
 - Fuel Management
 - Lighting Detection Systems
 - Automated Electronic Parking Toll
 - Parking Management System
- Public & Non-public Transport Systems (e.g. railways)
- Way-finding Services (on-airport, off-airport access roads, parking)

Safety and Security

- Access Control Systems
- Authentication Systems
- Badging Systems
- Baggage Screening System
- Baggage Handling System
- Smart Surveillance Systems e.g. Smart CCTV, Camera and Video
- Customs and Immigration
 - Improvised Explosive Detection Systems (IEDs)
 - Passenger Screening Systems
 - Perimeter Intrusion Detection Systems (PIDS)
- Common-Use Passenger Processing Systems (CUPPS)
- Emergency Response Systems (inc. immigration emergency and plan)
- Fire Fighting Services and System

Customer Ancillary Services

- Automatic Teller Machines
- Mobile Payments
- Point-of-Sales Machines
- Commercial cross management services (e.g., duty free, catering, etc.)
- Private flight, VIP and disable support services

IT and Comms

Internal

- Local Area Network (LAN) & Virtual Private Network (VPN)
- Communications Systems (e.g.) Radio Spectrum Management Systems
- Stored Data
- IT Equipment (Hardware & Software)
- Mobile Network & Apps
- Passenger Wi-Fi
- Security Operation Centre (incl. computer incident response team)
- IT Log Monitoring and Event Notification
- Flight Display System & Management
- Global Positioning System/EGNOS/SBAS/GBAS

External

- Cloud-based Data and Application Services
- Network Security Management
- Wide Area Network (WAN)
- Common Communications Network
- Passenger-Airline Communication Systems
- Air to Satellite Communication Systems
- Geographic Information Systems (GIS)

Staff Management

- Staff Records Management
- Recruitment Management Systems
- Mobility-enabled applications/enabled systems
- Staff Authentication System e.g. Biometric Identification System

Passenger Management

- Logistic Systems, within airport
- Kiosk Devices (e.g. e-Ticketing)
- Electronic Visual Information Display Systems (EVIDS)
- Passenger Check-in and Boarding
 - Stationary Devices (e.g., desktop, laptops, etc.)
- Passenger Name Records (PNR)
- Central Reservation System (CRS)
- Way-finding Services (in terminal inc. queuing and baggage handling systems)

Facilities and Maintenance

- Airport Vehicle Maintenance
- Building Control Systems
- Computerized Maintenance Management System (CMMS)
- Energy Management (inc. generators)
- Elevators, Lifts, Walkways and Air-bridges
- SCADA (Aprons, Ancillary Areas)
- SCADA (Roads)
- SCADA (Utilities)
- Environmental Management Systems (inc. wildlife, noise, environmental conditions, drainage systems)