

AAATCS Automated Airport ATC Service

AAATCS Takes away all the mundane and repetitive tasks from the Tower and Ground controller, and communicates directly with the pilot, lowering Pilot/Controller communication barriers and issues, as operational information is always provided to pilots in his own native language through the ADAMS onboard unit.

AAATCS is the only semi or fully automated platform in the world delivering the safest, most efficient and effective Control Tower and Ground ATC services, all with minimal controller interaction, while increasing safety, capacity, situational awareness and profitability for airports and ANSP's. The phased approach to your airport implementation ensures organizational acceptance, starting as a controller tool, then semi-automated, or if desired, as a fully automated Tower solution.

AAATCS can grow and stack as your requirements change.

AAATCS can also operate as a primary or backup remote tower, providing ANSP's with multi-tower functionality on a controller working position.



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FEATURES AND BENEFITS

- Virtually eliminates human-induced runway incursions and excursions (see ASUSS)
- Control of status and flow conditions for runways, junctions, taxiways and gates, stop bar statuses and airside flow, sequencing aircrafts to junctions and runways, full and progressive taxi routes assignments, follow conditions, rerouting, pilot messages and responses, handoff co-ordination, airside maintenance slots, select any aircraft for manual handling over voice communication, the system adjusts surrounding traffic based on selection and operation, including:
 - Provides crossing, takeoff and landing clearances
 - Built-in Wake vortex precision timer
 - Free controller time. Pilot receives data in own language
 - Efficient routing and timing for lower fuel burn
 - Lower hotspots and congestions by timed routing
 - Configurable scenario templates with annotations
 - Aircrafts stop at all required bars and restricted areas
 - Automatic braking action updates for pilots
 - Synchronizes reporting on birds, FOD, etc.
 - Lower pilot response times for takeoff roll and line-up.
 - Highest safety in case of aborted takeoff roll



SUPPORT

- 24/7 real-time support via theIATASInternational Operations Center (IOC)

SUPPLY / DELIVERY

- Phase 1 delivery within 3-4 months of receiving confirmed data
- Complete hands-on pre-delivery, dry/wet run and post installation training
- Ongoing training on periodical updates / features
- Complete printed and online guide, documentation and operational reference

COMPLIANCE

- SESAR WP6 and SWIM compliant AIRM/AIXM/AMQP
- Support different RECAT models and regulations (ICAO, EASA, NATS, FAA, EC)

OPTIONAL ADD-ONS

- Real-time aircraft and vehicle surveillance (ASTRIX, AMQP, XML, HTTP, SQL)
- A-CDM, (AMQP | XML | HTTP | SQL)
- Import from most flight strips, SMGCS, AMAN, DMAN, XMAN, radar & WX sensors
- Exportable Streams to SMGS, AMAN, DMAN, XMAN
- Exportable Control Signals to airfield lighting systems
- SELF LEARNING prescribed and preferred ATC routes from real-time feeds
- Over 50 modularized add-ons based on airport /tower operational needs

