Product brief: smartSTRIPS
Flight data management

Automation helps to reduce cost, increase efficiency, safety and play a key role for the main users within the ATM industry, Air Navigation Service Providers. The Frequentis flight data management tool is the next generation automation tool providing a first-class ATM-grade IT solution supporting air traffic controllers around the world. smartSTRIPS is the solution for tower flight data management. It can be tailored to any environment, from regional to high capacity centres/towers. Key clients in the United Kingdom, The Netherlands, Poland and Hong Kong have already chosen smartSTRIPS.

Key features

Enhanced data highlighting
Updates are visualised to increase the air traffic controller's awareness for revised information.

Automated workflow support
Workflows modelled according to customer processes are converted into business rules to support strip data handling.

Sophisticated runway management
Runway configuration management, wake turbulence counter functions and automatic updates of STARs and SIDs improve efficiency and situational awareness.
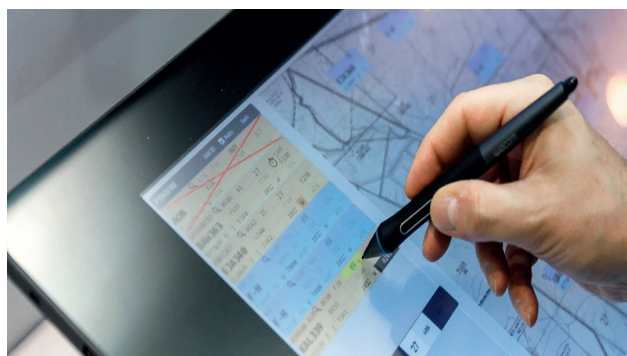
Handwriting recognition
Flight strips are quickly created with first in class handwriting recognition of flight plan details manually added by the operator.

Free strip placement
Free positioning of flight strips via intuitive pen or touch gestures.

Software assurance
The software is designed according to ED-109A AL4/SWAL3 standards.

smartSTRIPS at a glance

- Designed by former Air Traffic Controllers for Air Traffic Controllers
- Flexible configuration of strip layout
- Adjustable workflow through business rules
- Graphical editor
- Highest usability through fast and responsive user interface while supporting coordination
- ICAO OLDI 4.2 standard capability
- Interfaces to FDP, AFTN, AODB, RDP
- Datalink capability: DCL, CPDLC
- Proven in use at > 350 controller working positions (CWPs) for civil and military operations
- Scalable from regional to high capacity centres/towers

FREQUENTIS
FOR A SAFER WORLD

QRW276	F 120			07R	T27				S23		
				LAKES2D							
A270	1528	RWY		ETA				K4 HP J6 HP			

Highly adaptable
Leading in agile customisation

Designed for controllers
Fast and responsive UI

Built-in collaboration & info sharing
Fostering informed decisions(shared bays, handwriting, silent coordination)

Versatile support information
Acquisition, processing and visualisation of any airfield information

SWIM-readiness
Active in SESAR and NEXTGEN.

Fully datalink-enabled
Providing services such as DCL.

Experience and maturity
• Proven, reliable, with safety evidence
• Strong integration capabilities
• Complex projects are our business

Benefits

Safety

Integrating information from multiple domains and generating enhanced safety logic functions.

Integration

The distribution of flight data will vastly enhance data exchange between the En-route, Terminal and Traffic Flow Management domains, Airline Operations Centres (AOCs) and airport operators, based on open interfaces. Decision support tools will assist air traffic controllers in the terminal environment.

Cost Reduction

Integrated working positions lower maintenance and life-cycle costs for individual systems.

Efficiency

Working with smartSTRIPS allows for streamlined operation, more optimised ground traffic management and faster responses to planned and unplanned events in the terminal area. A continuous flight live-circle supports all stages of the flight with efficient flight information distribution.

Configuration

Human-centric approach of the smartSTRIPS design allows controllers at individual facilities to customise their workflows to their individual needs.

Technical specifications

Number of working positions	1-200+ per site
Availability	A_i = 99.9999%
Operating systems	Linux
Environment conditions	10 to 35°C, humidity up to 90%, non-condensing, ruggedised version for military usage available on request
Capacity	> 12,000 movements/day
Standards	AFTN, EUROCONTROL ADEX-P, FAA NAS, ICAO 4444, OLDI