

Product brief: smartINMO FPM

Automatic validation drives efficiency

Air Traffic Service (ATS) Reporting Offices globally rely on integrated Notam and Meteo operations (INMO) flight plan management (FPM) as their backbone for submitting, reviewing and approving flight plans. smartINMO seamlessly connects to customers' individual AFTN / AMHS systems and smartIBS, the Internet Flight Plan submission and Pilot Self-Briefing tool. smartINMO provides a real-time overview of all incoming flights, outgoing flights, overflights and their current status.

Key Features

Smart operator support and semantic checks

Intelligent flight plan submission form reduces manual typing, preventing human errors and easing workload for pilots and operators. All flight plan fields are syntactically and semantically validated, e.g. the route in Field 15 is automatically checked against the AIXM reference database.

Route optimisation and automated addressing

The system automatically calculates target addresses for a flight plan based on the inserted or calculated route and proposes optimal routes fulfilling certain conditions after inserting ADEP and ADES.

Visualisation

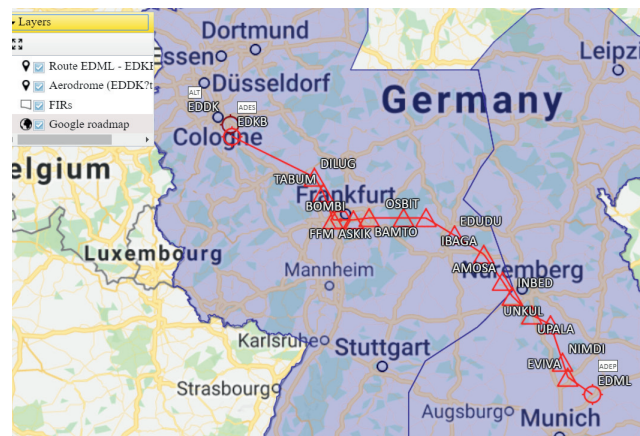
Alternative routes and supportive information layers are visualised on a GIS map allowing immediate visual validation.

Real-Time flight overview

A constantly updated flight list provides an overview of current flights, allows distribution of workload over multiple operators by smart and intelligent filtering while handling flight status updates based on follow-up messages.

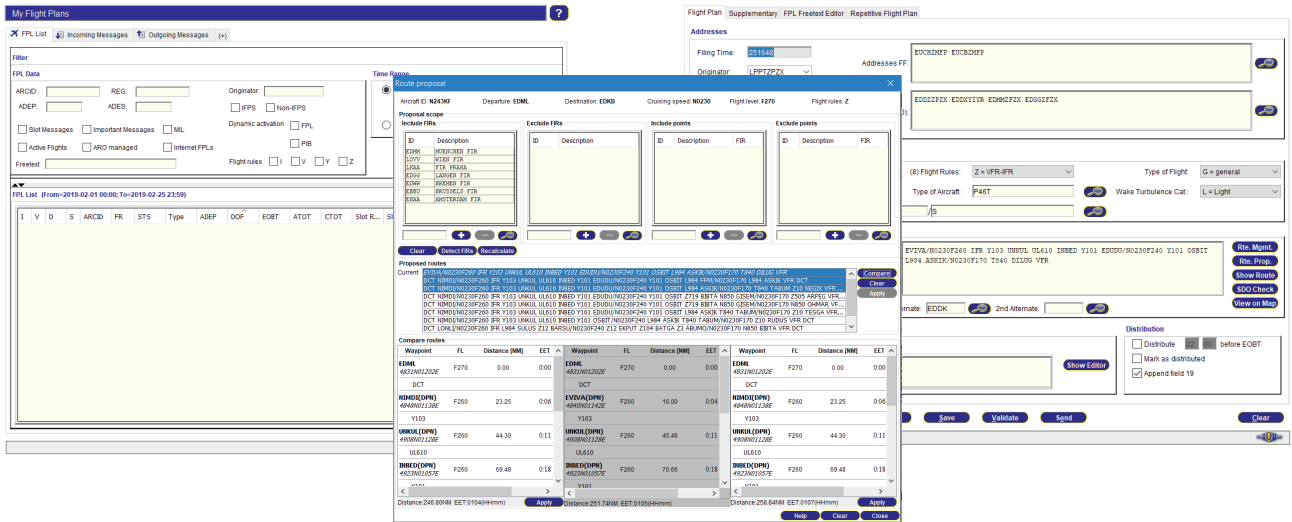
Customer and aircraft database

Client and aircraft details can be filled automatically from the customer and aircraft database. Smart templates based on ADEP, ADES or ARCID increase efficiency and safety through avoiding manual typing and human errors.



smartINMO FPM at a glance

- ED-153 compliant ARO flight plan management tool for ATS reporting officers
- Integrated with internet briefing / flight planning (FPL) submission
- Narrow-Route PIBs based on FPL route with GIS visualisation
- High degree of automation and automatic validation
- Smart forms and flight status model
- Route optimisation
- Automatic addressing
- Suitable for local usage or within a regional system (e.g. Cloud)
- Stand-alone capability



Benefits

ATM-grade cost effectiveness

The system offers a cost effective ATM-grade flight plan management capability, suitable for the world's most sophisticated ANSPs.

Designed by experts for experts

Designed by experts for ATS reporting experts and allows intuitive handling of all airspace users from private VFR pilots to commercial airliners.

Any load / any budget

The system is suitable for international use as a stand-alone system or can be offered as a SaaS (Software

as a Service) from regional cloud systems like EAD or ATNS CAD, scaling any load and budget.

Flight plan optimisation capabilities

For international use outside Europe, the tool offers built-in flight plan optimisation capabilities. Within Europe, the tool offers fully integrated Eurocontrol Network Manager (NM) B2B webservices to access traffic-optimised route proposals.

Safety standards

The solution was designed and developed according to safety standards SWAL-3 and ED-153 and is in operational use at major ANSPs who prioritise stability, automation and usability.

Technical specifications

Communication Protocols	AFTN, AMHS, NM B2B, SWIM Yellow Profile
Regulatory Compliance	ICAO Annex 15, PANS AIM, ICAO DOC 8697, ICAO DOC 4444
Safety	EASA certified in EAD, ED-153, SWAL-3
Interoperability with Frequentis products	<ul style="list-style-type: none"> • AIXM 5.1 databases: CADAS-AIMDB, smartDM • NOTAM / Briefing systems: smartINMO, CADAS-IMS • SWIM Platform: MosaiX SWIM • AFTN / AMHS: smartMessenger, AIDA-NG

FREQUENTIS AG
 Innovationsstraße 1
 1100 Vienna, Austria
 Tel: +43-1-811 50-0
 www.frequentis.com

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