

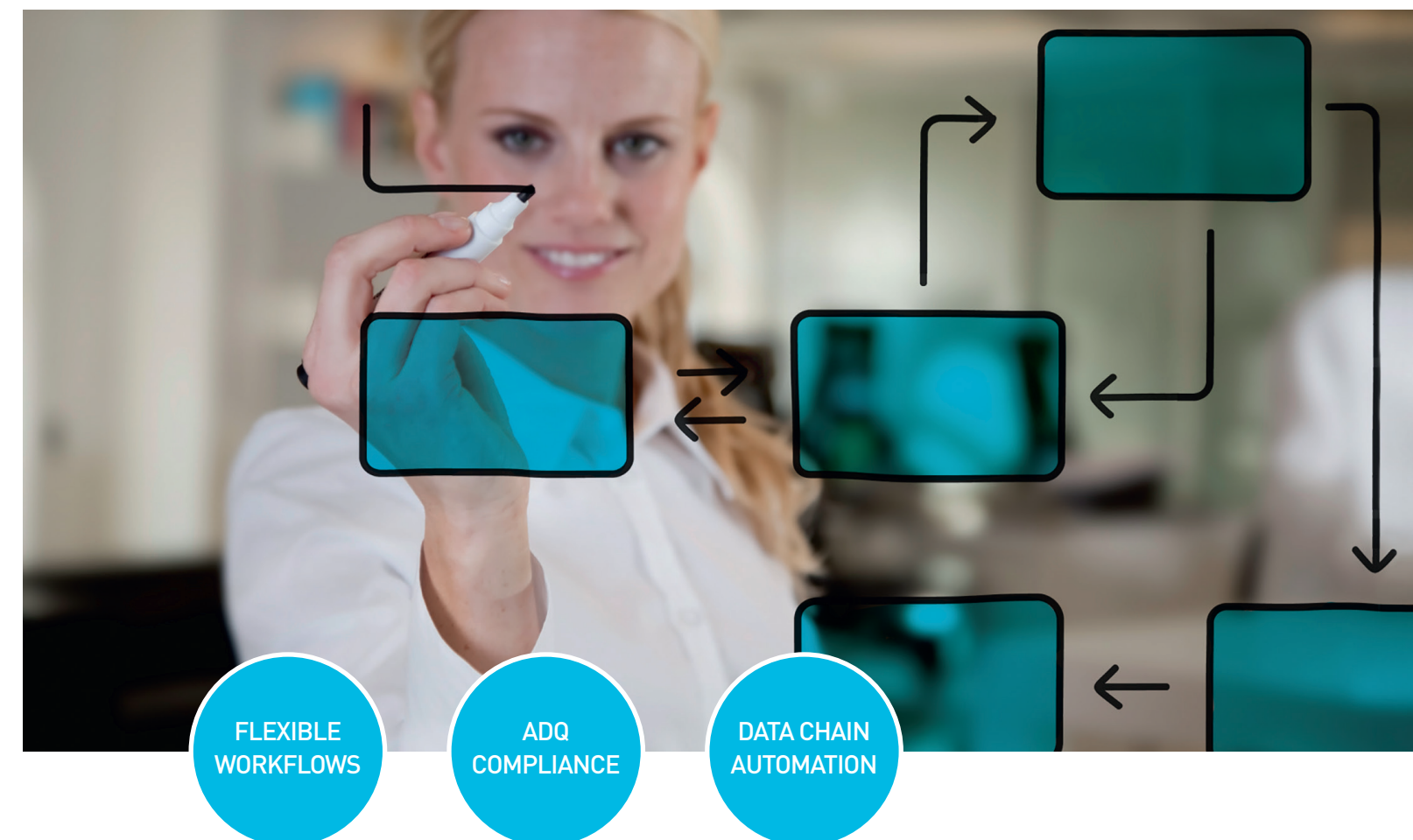


smart™ WFM – Part of the smartAIM Product Suite

ADQ-COMPLIANT WORKFLOW MANAGEMENT & PLANNING

→ KEY FEATURES

- ADQ-compliance
- Web-based originator management
- Collaboration management
- Auditing, reporting and performance monitoring
- Administration of approval and quality gateways
- Role-based document management
- User- and role-dependent information access
- Rule engine integration
- Custom data fields and data storage
- Integration of 3rd party systems and modules
- Flexible scripting and automatic data conversion
- Secure single sign-on
- Repository of re-usable and re-definable out-of-the-box proven operational workflows and workflow templates and conversion components
- Flexible integration with existing tools via versatile integration interface
- Simple graphical definition of workflows



FREQUENTIS AG HEADQUARTERS

Innovationsstraße 1, 1100 Vienna, Austria
Tel: +43/1/811 50-0, Fax: +43/1/811 50-5009

www.frequentis.com

FREQUENTIS

smart AIM
Aeronautical Information Management

FREQUENTIS

smart™ WFM

THE SMART™ WORKFLOW MANAGEMENT AND PLANNING SOLUTION FOR SMART ADQ COMPLIANCE

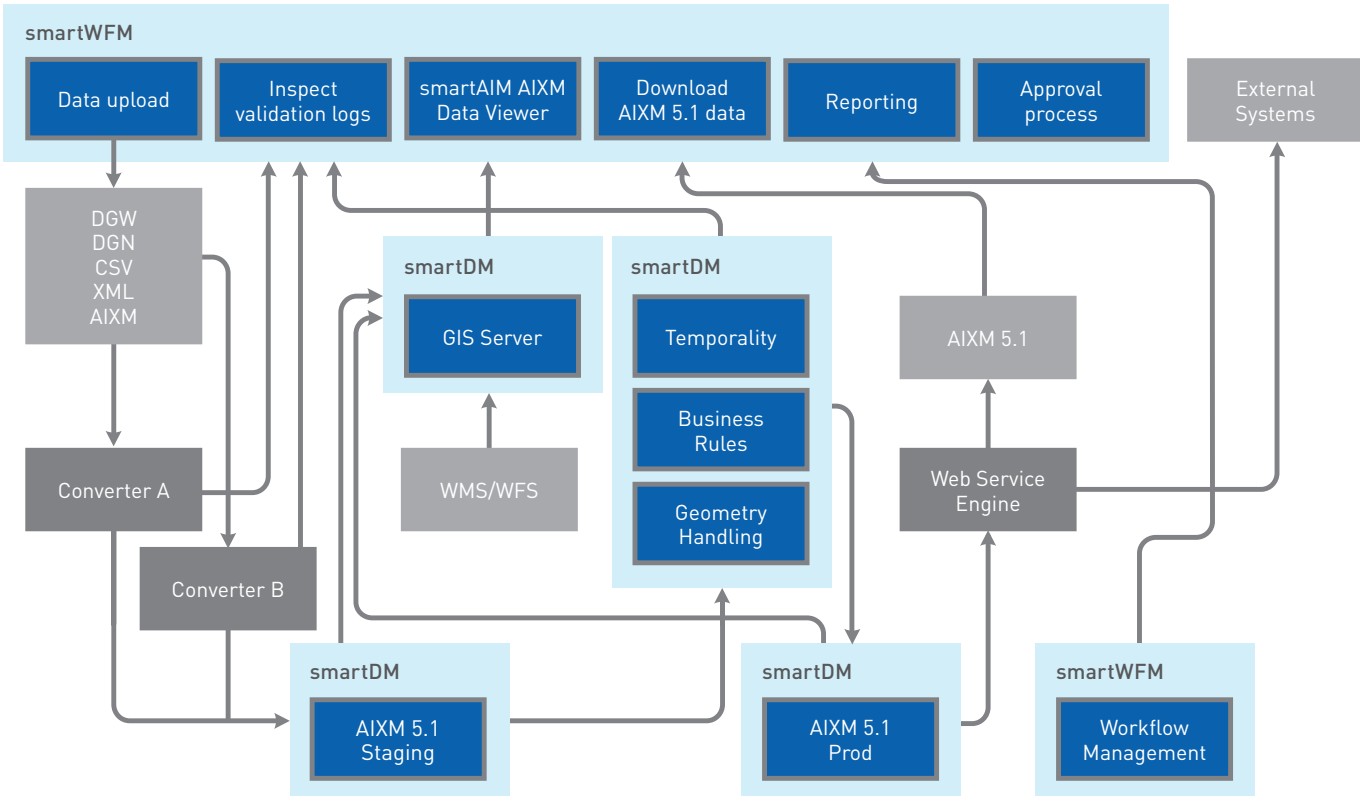
smartWFM is a web-based business process management system that supports the processes of AIS/AIM organisations. It allows the flexible design of processes between internal teams and departments and also allows involvement of external stakeholders, e.g. data originators into the overall workflows. It offers configurable web-forms with GIS support for entering or uploading information and meta-information and grants authorised stakeholders access to specific functionality through a web browser.

→ WORKFLOW MANAGEMENT

Workflow management is a means to support and model business processes with information technology. A workflow management system makes it possible to define processes as a sequence of tasks/steps. Business rules govern the transition from one step to the next and make it possible to validate the submitted information. Each task in such a sequence can have its own freely definable form. Such forms allow information review, editing, upload/download and GIS visualisation. Other tools like converters or AIM systems can be integrated closely into these workflows. Using smartWFM as an AIM workflow management solution makes it possible to flexibly define workflows that fit the needs of your organisation with the added benefits of offering traceability, and valuable inputs for planning.

→ ADQ INFORMATION MANAGEMENT

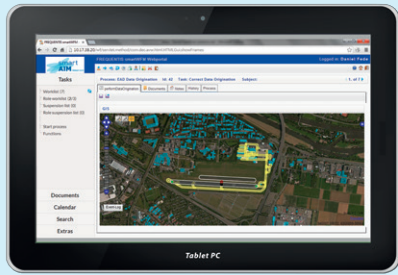
One of the key requirements for AIM as reflected in the European Regulation on Aeronautical Data Quality (ADQ) is traceability from information origin to dissemination and use. smartWFM offers a solution that makes it possible to trace the quality and meta-information throughout the whole data chain from the surveyor to the AIM officer and on to the pilot. Authorised users can easily tailor the business processes and rules. These can be adapted to suit local regulations and organisation specifics. Examples include reviews that use the four-eyes principle, approval by ministries and the involvement of other process stakeholders.



→ AUTOMATED UPLOAD, FILE UPLOAD, MANUAL ENTRY

Depending on the form and origin of data, different ways of loading the information into the system are available. Read-outs from surveying equipment can even be directly uploaded into the system via the smartWFM mobile client in the safest and most convenient manner, avoiding error-prone media breaks in the data acquisition process. Alternatively, data originators can of course input information or

simply attach a variety of different file types, such as CAD drawings, different GIS formats, text files, or Excel sheets. This information is in the corresponding file type or is automatically converted to AIXM 5.1. Additionally the fitness for use is assessed within using business rules that make use of the supplied meta-information such as the data precision, its error rate or its resolution, improving both quality and efficiency of the process.



MOBILE CLIENT

smartWFM
mobile client



AIRPORT

smartWFM
Workflow Management

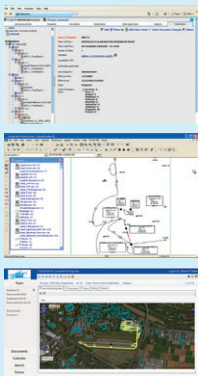


ANSP

smartAIP

smartCHARTING

smartWFM
Workflow Management



AIRSPACE USER

smartAIM
GIS Portal



→ RULES & CONVERSION

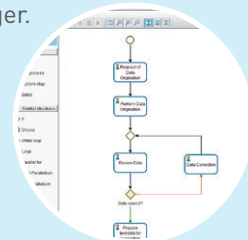
Rules

Freely configurable business rules govern the flow of information from originators through the AIM process to the users. These rules can be easily defined and adapted using with the integrated graphical rule manager.

Conversion

Format conversions are a real-world issue that can be easily addressed by smartWFM.

By integrating format converters into the workflow, it is possible for the system to take in all types of information, including information using legacy standards.



→ INTEGRATION

smartWFM is fully integrated with the other smartAIM modules (smartDM, smartINMO, smartCHARTING, smartAIP, smartETOD) in order to gain maximum efficiency for users. Based on open standards, it can readily integrate 3rd party and legacy systems.