

## Artificial Intelligence (AI)

**Framesoft Document Intelligence (FAI) is Framesoft's Artificial Intelligence (AI) & machine learning (ML) module bringing natural / legal language processing & modern artificial intelligence methods to documents.**

Today, artificial intelligence (AI) is optimizing the way business is conducted, enabling predictions with new accuracy and automating business processes and decision making. The outcomes range from greater customer experiences to more intelligent products & more efficient services for enterprises.



Applying modern computational and artificial intelligence methods to documents and templates can provide unprecedented insights into individual documents and contracts as well as into a document library.

## Framesoft Document Intelligence (FAI) Tools

### 1. Document Processing

Framesoft Document Intelligence based Document processing starts with the import of the documents, which is then converted into text using modules like file-format converters & OCR. The text is processed by an NLP-chain, analyzing & annotating the linguistic structure & semantic content. To improve this process, user feedback can be gathered for these intermediate results and used for training or tuning of the NLP-chain's components.

### 2. Natural Language Processing

Natural Language Processing (NLP) chains analyze the documents in several steps, including tokenization, sentence splitting, grammatical structure analysis and named entity recognition. These steps provide the grammatical structure & semantic analysis of the text. The results are then converted into a standardized format for further processing.

### 3. Inference

Inference modules are used to derive applicable insights from the Natural Language Processing results. This includes the application of modules like cluster analysis, rule-engines or neural network-based qualifiers, leading to insights about the document. Feedback on these results can be used to improve the inference modules by further training or improving their configuration.

### 4. Status and Insight Database

To allow reporting & further processing, for each document or document-part details are stored about what modules, versions & training-states they have been exposed to. Furthermore, the derived insights are also stored so they can later be queried and used for comparative inference mechanisms.

### 5. Confidence Evaluation and Reporting

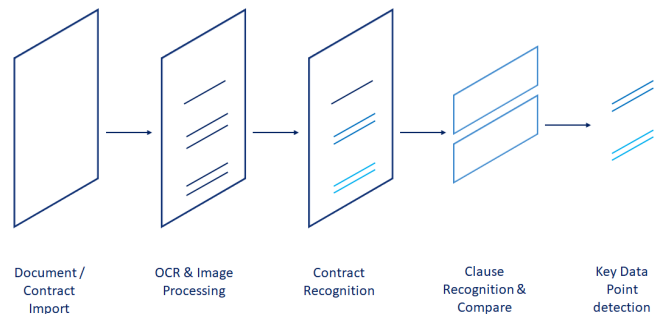
Where a module provides a measure of confidence, this is stored with the results, available in queries and APIs, and reported to the end-user.

### 6. Machine Learning (ML)

Ongoing training is a part of the operational workflow.

## Framesoft Document Intelligence (FAI) Use Cases

Uses cases for Framesoft Document Intelligence (FAI) are:



- **Clause determination & separation**  
Scan a (re-)migrated document (e.g. agreement) and separate the contract into meaningful clauses.
- **Clause Compare**  
Compare the identified clauses of a migrated document against your clauses in your clause library.
- **Clause Compliance, Classifications & Categorizations**  
Check migrated documents regarding compliance to specific policies based on semantic rules. Classify documents into (risk) / sub-types using clustering algorithms & find comparable clauses in similar type of documents.
- **Document (Contract) data point recognition**  
Key data-points and substantial data items such as relevant dates, involved parties, numbers and ratios for specific entities & specific relations like liabilities, governing law etc. can be extracted from the text & reconciled with the application FAI is integrated with, e.g. FCR.

Framesoft Document Intelligence (FAI) can be integrated with any Framesoft solution such as e.g. Framesoft Contract Repository (FCR) and offers the opportunity of automating or augmenting decision-making tasks in real time, more accurately using more facts contained in documents.

Get in contact with us or receive more information regarding FAI at [contact@framesoft.com](mailto:contact@framesoft.com) or visit [www.framesoft.com](http://www.framesoft.com).

# COMPANY PROFILE

Framesoft AG Software Applications



Framesoft offers the following fully integrated solution portfolio

- **Framesoft Structured Products (FSP)**
- **Framesoft PRIIPS KID Generator (FPG)**
- **Framesoft OTC Platform (FOP)**
- **Framesoft Contract Repository (FCR)**
- **Framesoft Confirmation Generator (FCG)**
- **Framesoft Legal & Compliance Matter Management (FLM)**
- **Framesoft Document Management (FDM)**
- **Framesoft Repo & Securities Lending (FRS)**
- **Framesoft Fee Management (FFM)**
- **Framesoft Document Generator (FDG)**
- **Framesoft Resource Management (FRM)**
- **Framesoft Secure Online Data Room (FDM Platform)**
- **Framesoft Online Negotiation (FON) for (Master) Agreements**
- **Framesoft Protocol Platform (FPP)**
- **Framesoft Data Insight (FDI)**
- **Framesoft Document Intelligence (FAI)**

Framesoft's product & services portfolio is strongly focusing on the financial services industry and covers the complete life cycle of a software solution, ranging from supporting the early conceptual application design stages, to the delivery and integration of the application into the client's infrastructure.

Framesoft is also capable offering application support requested by a customer such as production support as well as business and user support. Additionally, Framesoft offers to run its applications as ASP service based on its advanced cloud infrastructure in Switzerland.

Framesoft was founded in 1996 with the goal to create technology solutions for innovative, fast-growing areas within the financial services industry. Framesoft solutions are built on a foundation of core modules (Frameworks) enabling rapid application development mainly based on configuration to meet the ever-evolving needs in these markets.

Framesoft's mission is to maximize the benefits of external technology provision for our clients, by applying the Framesoft Framework strategy.

Framesoft's unique selling proposition is the support of complete value chains including areas typically conducted by means of unstructured tools such as paper, e-Mail, facsimile or telephone.

Customers using Framesoft solutions

- achieve a high degree of **Straight through Processing (STP)**,
- avoid typical **operational risks** associated with manual interventions,
- gain **control** over complex business processes,
- increase Business **Process Efficiency & Transparency**,
- cut **Time-to-Market**,
- reduce **Legal & Credit Risk**

Framesoft's headquarter is located in Zug, Switzerland and Framesoft runs subsidiaries with offices in

- Europe
  - Switzerland (Zug),
  - Germany (Frankfurt and Munich),
  - United Kingdom (London),
- North America (Vancouver) and
- Asia (Fiji)

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