

# Content-driven AI Solutions

## Consulting, Implementation, and HIBU Platform

As the volume of digital content continuously grows exponentially, it becomes more and more challenging for businesses to manage and organize data efficiently. Content-driven AI solutions help you with this task and allow you to unlock the full potential of your digital assets.

With the power of machine learning and natural language processing, these solutions enable businesses to automatically classify, extract, and analyse their data with high accuracy and speed. Whether you want to improve your search capabilities, automate workflows, or extract insights from unstructured data, content-driven AI solutions can help you achieve your goals and transform your business operations.

### We help companies and organizations in the following areas

We address a vast range of content-driven use cases. Most frequently requested by our customers are the following three example use cases:

#### Intelligent Search Solutions

Intelligent search solutions allow users to efficiently find information in large amounts of structured and unstructured data. For more targeted search, classical keyword search is combined with filters and semantic search methods. These solutions integrate with a wide range of data sources, including databases, file systems, document/content management systems, and many other.



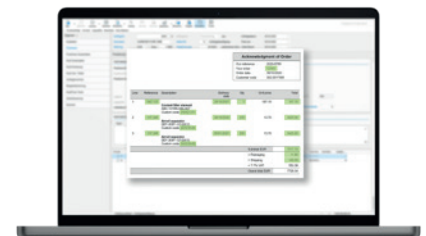
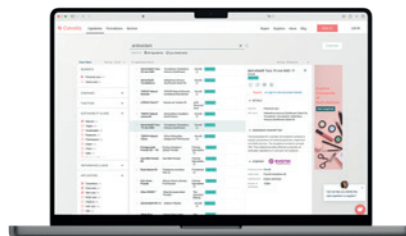
#### Content Analytics

Content analytics is the prerequisite for further processing as part of recommender systems, workflow automation and improved search solutions. It turns unstructured and semi-structured data such as documents or other textual content into structured data by identifying e.g. persons, organizations, names, key phrases, facts, topics, overall sentiment etc.



#### Workflow Automation

Workflow automation lets incoming documents automatically trigger suitable actions based on their content, e.g. each input document is classified for its document type, and if it is an invoice, the invoice data are extracted and submitted to another system such as an ERP. This replaces a lot of repetitive and error-prone manual work and gives employees time for more challenging tasks.



### Some of our customers

## How do we help companies and organizations?

Karakun considers itself a one-stop-shop offering comprehensive consulting and development services. Our approach focuses on your project objectives. To reach these, we offer

### AI Consulting

- ▶ Data modelling
- ▶ Data cleansing and provisioning
- ▶ Technology evaluation and consulting

### Development of Custom-Made AI Solutions

- ▶ Requirements and business case analysis
- ▶ Development of a solution architecture and design
- ▶ Software development
- ▶ UX design and engineering
- ▶ Integration with your existing software systems
- ▶ Deployment, maintenance and support of secure and scalable AI solution

## Benefits of working with Karakun

We have been in the AI and machine learning business for more than 25 years. And every day, we still learn by cooperating with universities, engaging with the AI community, and doing research projects with our partners. In addition to this in-depth know-how ranging from established rule-based frameworks to the latest deep learning and generative AI approaches, we offer a large development team to engineer custom-made solutions and their integration into large-scale infrastructures. To develop custom AI solutions more efficiently and at lower costs, we engineered our HIBU platform bundling most of our knowledge in the fields of AI, natural language processing and search.

All in all, our customers benefit from:

- ▶ Unbiased selection of the **best technology for the use case** at hand
- ▶ **Rapid prototyping** to gain early access to desired functionalities
- ▶ Get full-sized, fully integrated industry-level AI solutions from a single partner
- ▶ Development of user-centred AI-solutions that
  - ▶ **massively increase efficiency** to identify relevant information in large volumes of data
  - ▶ **automate content-based workflows** to reduce processing time
  - ▶ cut down on the manual execution of monotonous routine tasks and avoid errors



Karakun is a team of more than 65 IT professionals. The company is headquartered in Basel (Switzerland) and runs subsidiaries in Dortmund, Stuttgart (both Germany) and Mumbai (India).

<https://www.karakun.com>

