**Higitus**

# THE ARTIFICIAL INTELLIGENCE SOLUTION FOR BACK-OFFICE AUTOMATION

# EXPLOIT THE VALUE OF UNSTRUCTURED DATA THROUGH ARTIFICIAL INTELLIGENCE

Higitus automatically processes, classifies and extracts relevant information from every corporate data source, streamlining and improving administrative processes, by interpreting any kind of data.

Thanks to the Natural Language Processing (NLP) and advanced supervised Machine Learning algorithms, the system is able to simulate human cognitive abilities.

# 80%

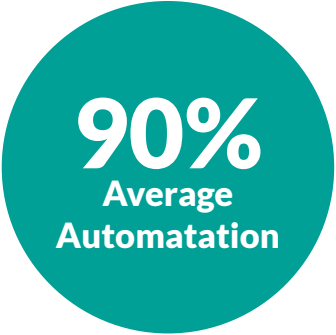**Is the average percentual of not structured data within companies**

(Gartner)

## THE AMOUNT OF UNSTRUCTURED DATA REQUIRES AN HEAVY HUMAN EFFORT THAT CAUSES THE COMPANY:

- High cost of human resources employed
- Long times for the manual execution of different tasks
- Very high margins of human error

# WE HANDLE ALL DATA THAT YOUR SYSTEMS DO NOT RECOGNIZE

# GOALS YOU CAN ACHIEVE WITH HIGITUS

**90%**
**Average Automatation**

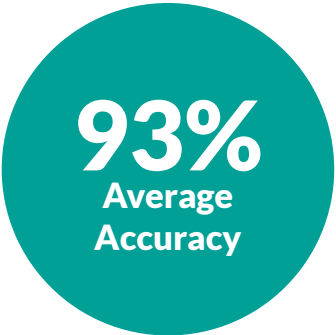### Performance and processes optimization

Minimizes risks related to human error, improving efficiency while meeting quality standards.

### Costs and time saving

Reduce operating costs and manual process times through process automation.

### Extract value from unstructured data

Let Higitus classify, order and interpret your unstructured data so that you can extract from it the maximum value.

**93%**
**Average Accuracy**

### Efficient staff allocation

Dedicate your staff to the tasks with added value for your business, while giving Higitus the manual and repetitive ones.

### Instant integration without impact

Higitus integrates easily with any company system (DMS, CRM, ERP, etc.) without requiring any intervention on the existing IT infrastructure.

### Improving risk management

Supervise processes and detect anomalies, improving internal controls for the benefit of risk management.

# THE MODULAR AND CUSTOMIZABLE SOLUTION

**Higitus**

## Injection

The system is able to process any type of document, even non-textual, through Optical Character Recognition (OCR).

## Classification

Input documents are automatically classified by the system using supervised Machine Learning templates.

## Key concepts extraction

NLP (natural language processing) algorithms allow key concepts to be extrapolated, facilitating the automation of business processes.

## Integration with existing systems

## Indexing & Archiving

Indexing and archiving documents allows you to leverage the potential of your entire business knowledge base.
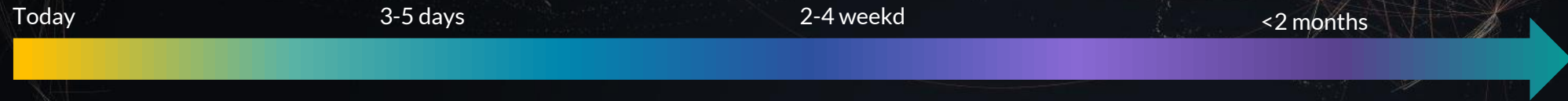
## Smart search

An advanced search engine allows you to obtain results of interest sorted by semantic relevance.

## Dashboard & Report

# AUTOMATE YOUR BUSINESS PROCESSES QUICKLY, FOLLOWING A FEW SIMPLE STEPS

Today       3-5 days       2-4 weekd       <2 months

**Free**

## DEMO
We introduce you to the potential of Higitus starting with the available Use Cases.

**Free**

## FREE SPRINT TEST
In less than a week, we'll show you the potential of Higitus from a small sample of your data.

## POC
Starting from a significant sample of your data we show you the concrete benefits that Higitus can bring to your business.

## PROJECT
We develop a complete solution for your needs, optimizing time thanks to the experience gained from the Poc.
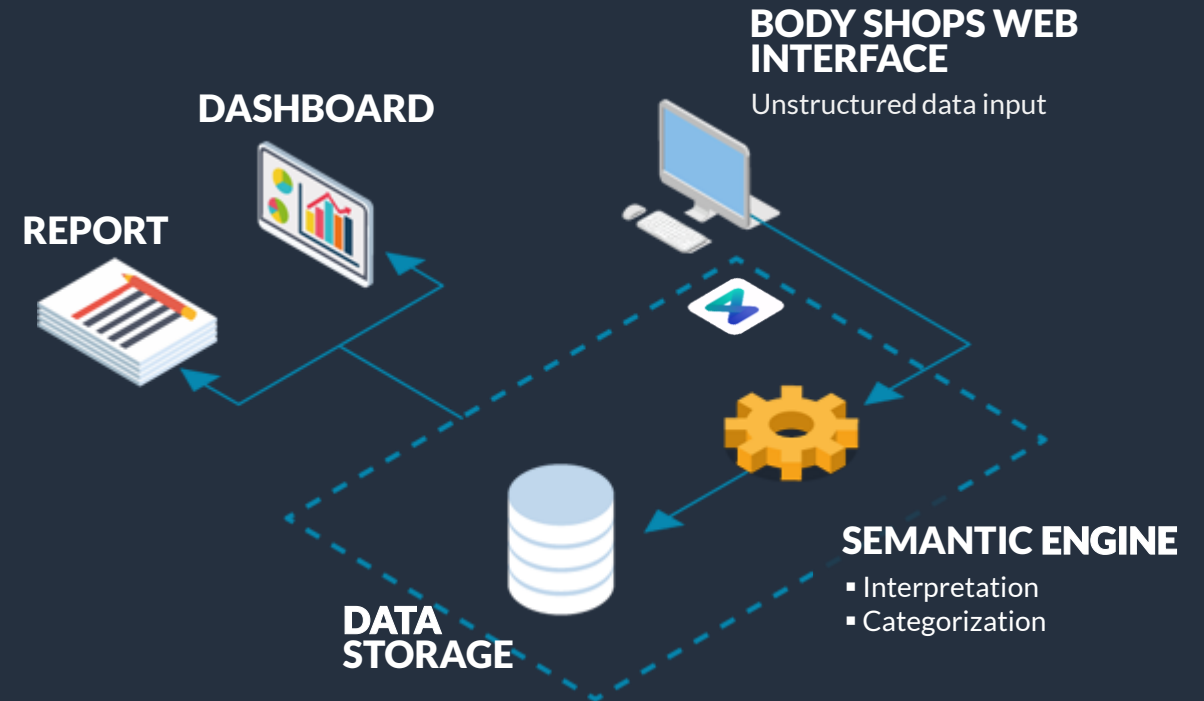
**Fast ROI achievement**

**Short term realisation**

**Volume-based scalability**

# Validation of the data produced by the affiliated body shops

Thousands of bodywork descriptions are automatically **processed** and **classified** thanks to the **interpretation of natural language**.

- **Monitoring** of interventions and history **reporting**  of a huge amount of data, otherwise uninterpretable and not archived efficiently and, consequently, unusable for statistical purposes.

- **Automated detection** and traceability of **anomalies**, replacing the manual and sample process previously used within the company, thanks to **dedicated dashboards** and **alarm** systems.

**+60%**
Process efficiency

**10M**
Asset value

**DASHBOARD**

**BODY SHOPS WEB INTERFACE**
Unstructured data input

**REPORT**

**SEMANTIC ENGINE**
- Interpretation
- Categorization

**DATA STORAGE**

# Interpretation and classification of unrecognized documents

Higitus operates where traditional document processing systems fail, i.e. in the **extraction** and **interpretation** of all those **unstructured data**, which represent a **huge slice** of the documental **value**.

Documents are automatically **scanned**, **labelled** and **classified** according to their characteristics to facilitate validation and archiving processes.

**Back office processes** are **optimized** and **automated** allowing the customer to dispose of and manage 100% of their input data, thus including also the large slice of data that until now could not be interpreted by existing systems.

**4M**
Input documents per month

**250**
Types of document
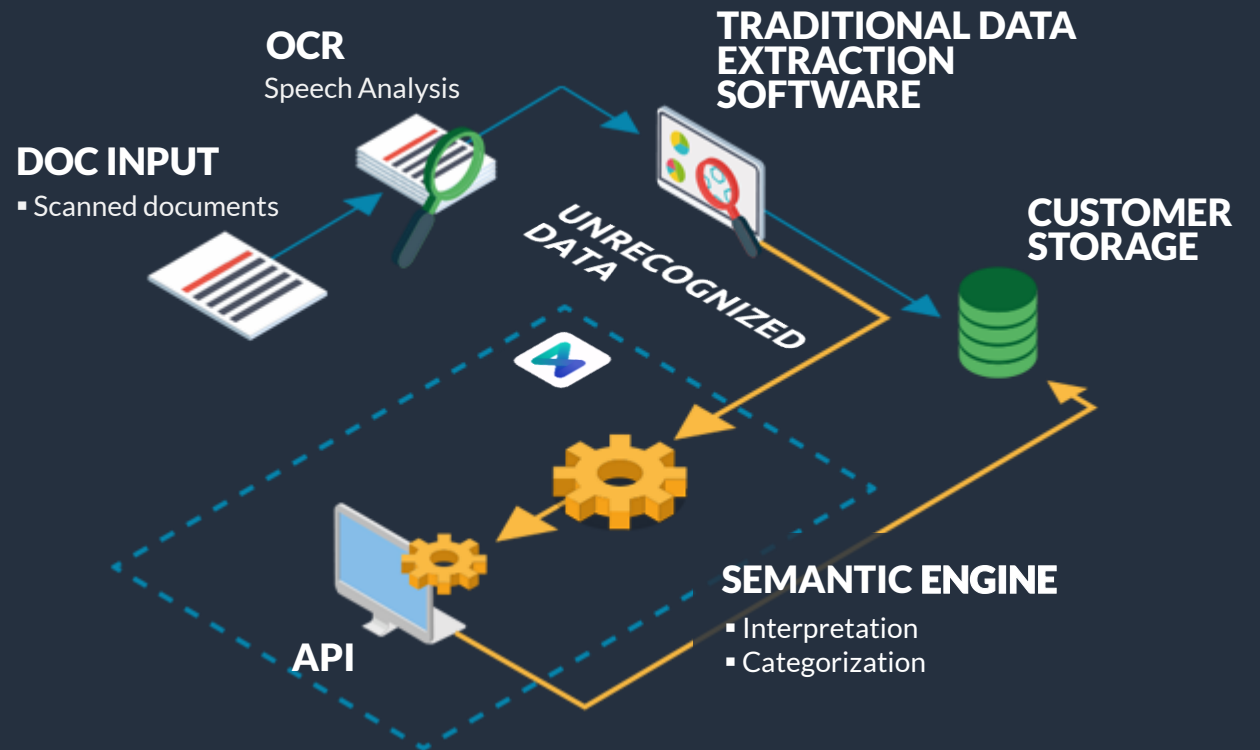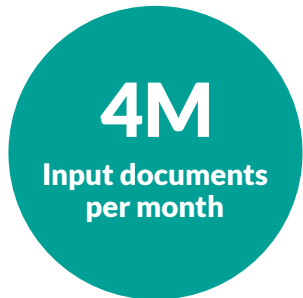
# Automatic extraction of relevant information in e-mails

Every day the customer exchanges **important business information** through **hundreds of e-mails**.

After this email exchange, several customer resources manually extract the information characterizing the offer (i.e. price, type of product, contract duration, etc.) and insert them into a system of Business Intelligence.

Higitus allows to **automate** this **process** by drawing **directly from** the **customer's mail server**, optimizing the entire process of **extraction** and **storage** of **information**.

The information and details of the commercial mediation are in this way **immediately available** and **ready for finalization**.

**-80%**
Elaboration time

**4,2%**
Margin of error

**SERVER EXCHANGE**

**SEMANTIC ENGINE**
▪ Extraction

**CUSTOMER DB**

**CUSTOMER BI TOOL**

**Case study / Public Administration**

# Optical Character Recognition (OCR) and automatic classification of paper documents

Over the years, the customer has accumulated **thousands** of **paper documents** of different types that represent a **valuable wealth of information** that is difficult to manage and access.

Once scanned and processed through an **OCR** service, Higitus proceeds with the **classification** and **extraction** of **key concepts** of documents.

Thanks to the processing of Higitus, the digitized information is easily and **immediately accessible** through a **search engine** and advanced **dashboards**.

**+78%**
**Recovered knowledge base**

**+90%**
**Information retrieval efficiency**

**SCANNER**
Documents are scanned and converted to images/PDFs

**PAPER DOCUMENTS**

**OCR**
▪ Conversion in searchable format

**SEMANTIC ENGINE**
▪ Categorization
▪ Interpretation

**DB**

**DASHBOARD**

**SEARCH ENGINE**

# Input, categorization and sharing of information and documentation between different branches

In the field of Insurance, Higitus allows you to optimize back office processes by **simplifying ordinary administrative operations** through:

- The automatic document cataloguing and its transmission to personnel responsible for the task;
- Classification and analysis of the most important events;
- The cataloguing and archiving of documents in the chosen registers;
- Alerts about the absence of relevant information within documents, for a quick processing and validation process;
- The smart context indexing that, thanks to the semantic association of words and concepts, allows to quickly collect the requested files;
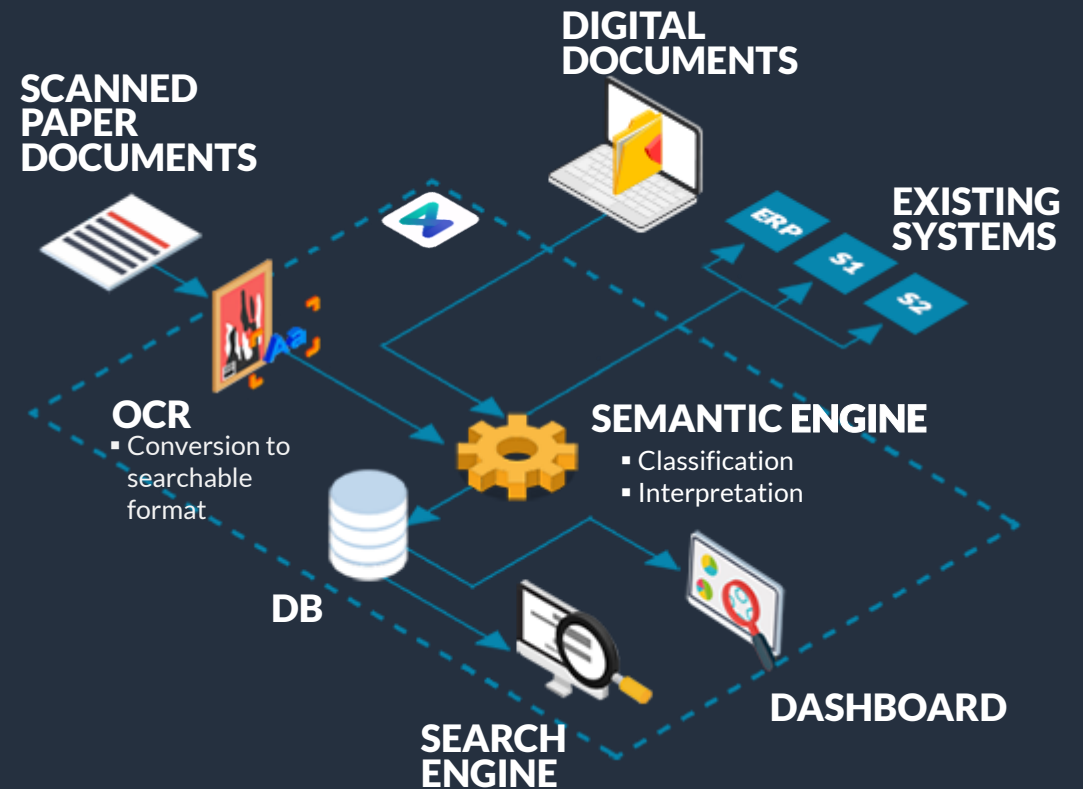- Non-invasive interaction with existing business systems.

Higitus also allows the **various branches** to **share and manage** all the documentation of relevant field.

**50%**
Average productivity growth

**54K**
Hours per Year saved



SCANNED PAPER DOCUMENTS

DIGITAL DOCUMENTS

EXISTING SYSTEMS

OCR
- Conversion to searchable format

SEMANTIC ENGINE
- Classification
- Interpretation

DB

SEARCH ENGINE

DASHBOARD

# Analysis and interpretation of heterogeneous health information for personalized medicine

Hospital facilities have an **enormous amount of health information** about their patients, from medical reports to eating habits. This information, which is analyzed and processed as a whole, can **influence the decisions** of doctors when choosing ad hoc therapies.

AI allows to **extract value** from this huge amount of data, by **enriching the field of probability**, so valuable to doctors for the identification of the cure.

Thanks to the processing of Higitus, the digitized information is easily and **immediately accessible** through a **search engine** and **advanced dashboards**.
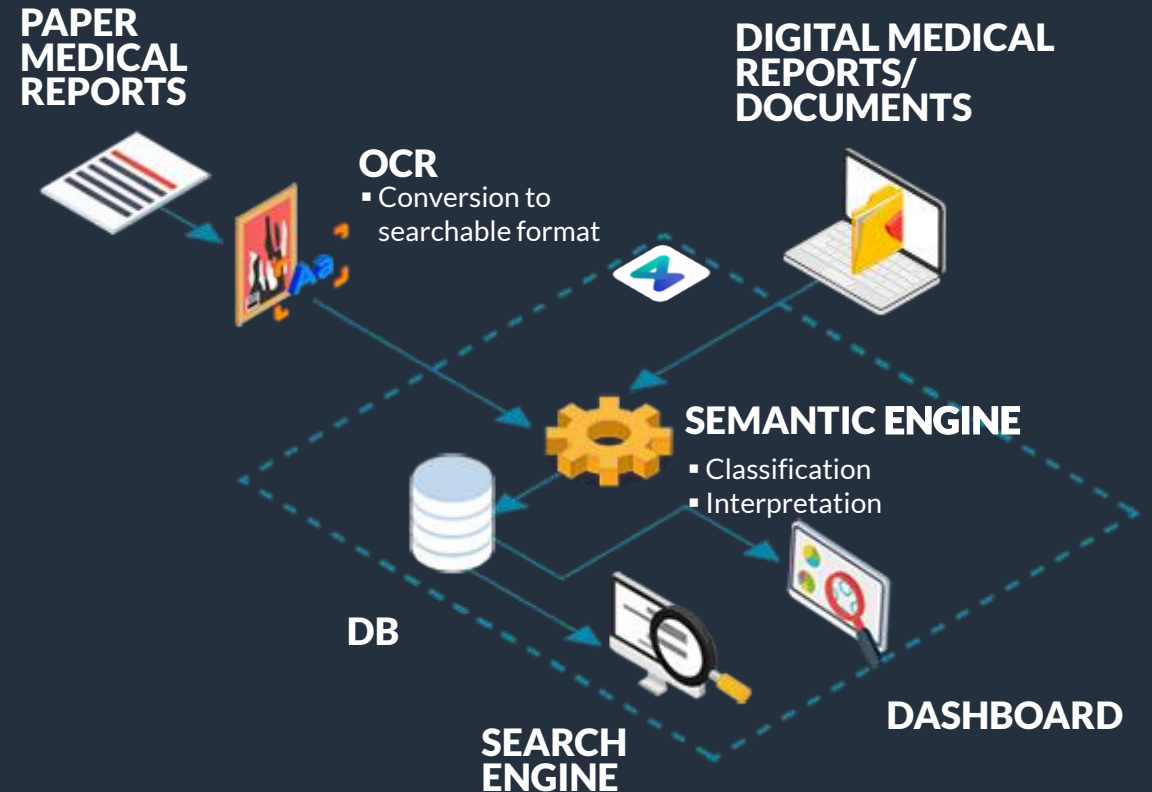
Result: the achievement of a **personalized medicine**, thanks to the computing power added to doctors competence (with the aim of having timely diagnosis thanks to specific alarms, detection of early signs etc.).

**580M**
Medical reports and patients information

**8M**
Avarage number of patients



**PAPER MEDICAL REPORTS**

**DIGITAL MEDICAL REPORTS/ DOCUMENTS**

**OCR**
▪ Conversion to searchable format

**SEMANTIC ENGINE**
▪ Classification
▪ Interpretation

**DB**

**SEARCH ENGINE**

**DASHBOARD**

# sogetel

We operate in the field of digital innovation with the aim of providing innovative tools and targeted solutions to accelerate the business of our customers in a changing market.
We follow the fast-paced evolution of data creation and enhancement to the current intelligent universe of products, processes and services that communicate with each other and with people through the network.
We see in the affirmation of the IoT paradigm the advent of a revolution that is transforming companies and countries, projecting them into a new era of economic growth and competitiveness.
We help companies discover the incredible potential that the digital revolution can offer, through the proper use of new technologies to produce new successful.