Case Study
Service Providers

ABBYY®

ABBYY Recognition Server Drives Processing Custom Technical Drawings at AISC

Customer Overview

ATHEEB
INTERGRAPH
SAUDI
عذيب انترغراف السعودية

Name

Atheeb Intergraph Saudi Company

Location

Khobar, Saudi Arabia

Industry

Service Providers, Consulting

Web

aisc-sa.com

Challenge

Process custom engineering documentation

Solution

ABBYY Recognition Server

Results

- Quantity of human errors cut down;
- Work completed in ½ of the original time;
- 3 times less human resources engaged.

Atheeb Intergraph Saudi Company (AISC) is the Hexagon / Intergraph® Distributor in the Middle East. Leveraging engineering design, data management and geospatial technologies, it can help customers to visualize and manage information on any object: from entire infrastructures to a crime scene. AISC specializes in engineering software (used for design, construction and operation of plants, ships and offshore facilities), map-based software for incident management, and tools for geographic information analysis. In addition to IT solutions, the company offers on-site consulting and customization services through its regionally based experts. The company has established itself as a regional leader in this niche and is working with large enterprises and government units across the region. Currently it has 3 offices in Riyadh, Al-Khobar and Jeddah with 160 professional employees.

Challenge

AISC is the local vendor of the industry-leading plant information management solution called SmartPlant® Enterprise for Owner Operators. Its aim is to keep dynamic and complex engineering information synchronized and accessible.

The solution is integrated with third-party operator systems for maintenance, and with a web portal. In addition, while running the project, AISC exchange a lot of information with contractors and suppliers. Throughout the project value chain the company repeatedly carries out validation, transformation and loading of data into an EDM system.

The process is very resource-intensive, especially taking into account that there are a lot of unstructured and custom-made documents, including technical drawings.

Previously due to the large documents volume 3 out of 25 employees at the Khobar office were engaged in manually typing engineering tag information such as equipment used, instrument, pipeline, piping specialty, etc. into an Excel® file. Eventually it was noticed that the task was quite resource-intensive and error prone. This set the company searching for a software solution to automate the process.

Solution

AISC turned to the international data capture software vendor ABBYY, relying on its reputation as the producer of the best OCR technologies available on the market.

Having analyzed the task, ABBYY specialists suggested a solution based on ABBYY Recognition Server, powerful server-based OCR software for automated document capture.

ABBYY Recognition Server is ideal for processing large batches of documents. In the AISC solution it works with scans acquired directly from the MFP. Employing ABBYY's award-winning OCR technology, the software recognizes and extracts all the tag information from technical drawings promptly and accurately. The OCR processes run on the server and do not require any user involvement.

The ABBYY solution enables content search and simplifies access to information. After ABBYY Recognition Server processes the data, only 1 employee is needed to collect the results and import them into the EDM system. Thus, all the AISC's image-only scans are converted to a searchable format and stored for future reference.

After testing out the software, AISC considered the quantity of documents they used to deal with and decided to scale ABBYY Recognition Server to a 10-core server processor for optimal performance.

"AISC uses ABBYY software to make scanned and PDF documents searchable, and also to enable content search and Full Text Retrieval (FTR). These functions are very helpful, because using searchable files we can capture engineering tag information into our electronic document management system faster and more accurately."

Khaja Mukarramuddin, Branch Manager, AISC

Results

The solution was implemented within only 6 months. As ABBYY Recognition Server configuration does not require training, it can be deployed and administered easily.

Currently with the help of the software AISC is able to process 3,000 documents per day, while spending half as much time on it and engaging 3 times less human resources than previously. Thus, the company has managed to redistribute the workforce, place greater focus on the projects instead of paperwork, and improve the team's efficiency.

AISC has remained satisfied with the speed and accuracy of ABBYY Recognition Server. The company has been able to streamline and simplify the administrative work, and, in addition, it has substantially cut down the quantity of human errors made while processing the documents.

About ABBYY

ABBYY is a leading global provider of technologies and solutions that help businesses effectively action information.

ForefrontTechnologies

ABBYY®

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