

THE PROBLEM

Automatic Document Identification



VALERUS IMPLEMENTS PSI:CAPTURE TO SOLVE HUMAN RESOURCE DEPARTMENT CHALLENGES USING PSI:CAPTURE'S DOCUMENT CLASSIFICATION FEATURE TO AUTOMATICALLY IDENTIFY DOCUMENTS

Valerus is a worldwide leader in integrated oil and natural gas handling equipment, operations and services. They specialize in surface production facilities including oil and natural gas processing, treating and compression. Their team of experienced professionals presents Valerus customers with integrated and innovative solutions that optimize performance and reliability. Valerus offers their customers a single-source for a range of integrated surface solutions to oil and gas processing and treating applications. Valerus experts provide support at every stage to enhance production while minimizing capital expense and reducing operating costs with enhanced safety and sensitivity to global environmental regulations. Valerus services include compression, gas services, production, packaging and manufacturing. The company owns and operates compression equipment in excess of 600,000 hp and currently operates in more than 25 countries around the world. For more information, visit www.valerus-co.com.

THE PROBLEM

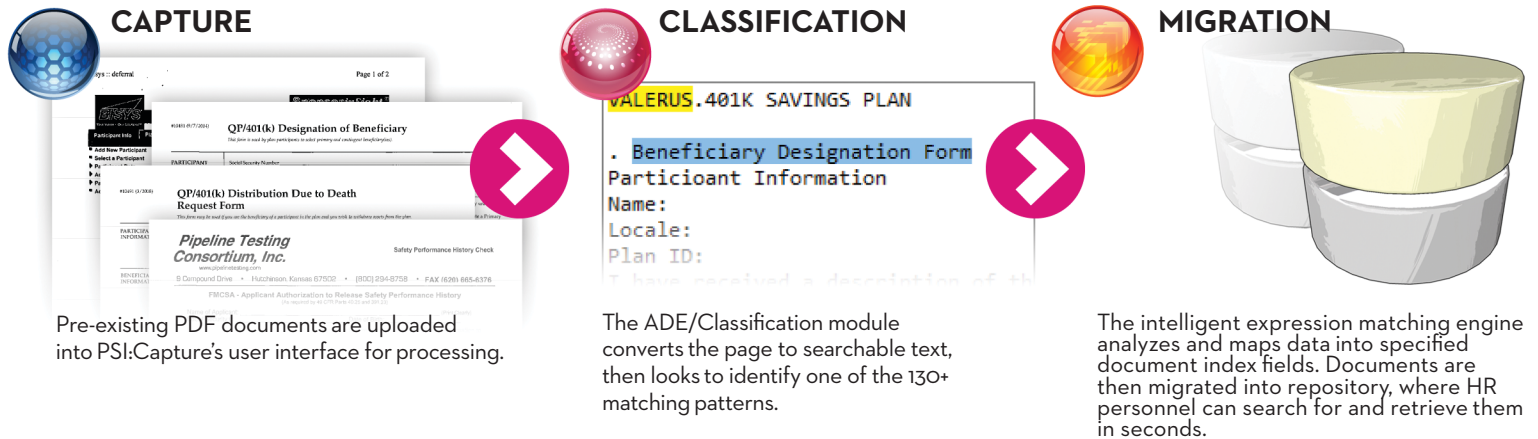
To keep up with their rapid growth, Valerus invested in another vendor's document capture solution to help manage the expanding volume of documents in the Human Resources Department. Using the software's OCR capability, over 100,000 documents were scanned into the document management repository, with the expectation of automatically classifying the document type for the scanned documents. However, the success rate was dismal as the software failed to classify the majority of the documents to a specific document type, averaging approximately 20% effectiveness. "Obviously, at 20% recognition, the time, effort and manpower required to open record by record and 'clean up' the document type was enormous, taking one of my employees out of productivity level on a full-time basis," said Jim Nicholson, Director of HR Operations. Since 80% of the documents remained unassigned, HR personnel had to search through a large number of documents to locate a specific employee record.

SOLUTION REQUIREMENTS

Improving the document retrieval efficiency and convenience in the HR Department was the ultimate goal, to be realized by decreasing the time wasted browsing documents and manually assigning uncategorized document types. A software solution with better character recognition and automatic indexing capability was needed to help organize the files. Upon evaluating solutions, PSIGEN's PSI:Capture stood out among competitors with its unparalleled Advanced Data Extraction feature.

THE PSIGEN SOLUTION

With PSI:Capture's Advanced Data Extraction, rules defined by an intelligent expression matching engine would automatically parse and analyze document text, then map the determining information to a given index field. 130+ text patterns were devised in efforts to identify the 94,000 documents that the initial software solution was unable to categorize. After reprocessing the documents, the number of unknowns was reduced from 80% to just 22%. PSI:Capture's high accuracy and ability to handle poor quality images, such as low resolution faxes and sporadic text positioning, translated to superior processing. "Once our IT project team and PSIGEN interfaced, our rescan results were a drastic 80% recognition. That I could live with! The results were fantastic and it allowed us to have immediate use of the document repository," said Nicholson. Since Valerus was targeting a postprocessing percentage of 20%, the estimated success rate of the PSIGEN solution was nearly 98%.



THE SOLUTION

PSI:Capture's powerful Advanced Data Extraction module was able to search patterns and expressions, resulting in identifying specific document types. The result was dramatic and "the remaining active employee files were 100% cleaned up with a minimum effort," Nicholson concluded. Staffing requirements, frustration and disorganization were all but eliminated as a result of the PSI:Capture implementation.

SOLUTION COMPONENTS IN SUMMARY

Capture Software:	PSIGEN PSI:Capture with ADE/ Classification
Content Repository:	OpenText LiveLink
Scanners:	File Import

ABOUT PSIGEN SOFTWARE, INC.

PSIGEN is the innovative leader in advanced capture applications, and helps organizations convert content into managed digital assets. Our largest customers include service providers, business process outsourcers, and major corporations. We have significant customer concentrations in financial services, healthcare, manufacturing, retail, and energy. Our channel partners include document imaging value added resellers, major brand MFP dealers, Microsoft solution providers, and document management software vendors.



THE SCIENCE OF DOCUMENT CAPTURE™

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