



"Russia's history is a history of great thinkers. An example is the chess players. ATAPY employs highly educated engineers working together in an efficient company. The result is quality, tailor-made software at a competitive price."

"This partnership has always been a source of innovative solutions for us and our customers. ATAPY has also taken part in the development of our flagship product EasySeparate by implementing the Visioneer OneTouch® Link scanner integration component."

Robert Camerlink
CEO
EasyData B.V.



EasyData and ATAPY: Document Imaging Tools

Since 2001, EasyData B.V. (www.easydata.nl) has been partnering with ATAPY Software to provide companies in Western Europe with high quality data input solutions based on the OCR/ICR technology of their mutual partner ABBYY Software House. As a subcontractor to EasyData, ATAPY has completed more than 40 projects, each one solving a specific task not addressed by off-the-shelf data capture products available on the market.

Document Processing Solutions for Education

Form processing solution for MEMIC



When MEMIC, the Center for Data and Information Management of the University of Maastricht, was faced with a large number of questionnaire images that needed to be picked up page-by-page from different catalogues, merged into multi-page TIFF documents and indexed, it relied on

EasyData to deliver the right tool. Once again, EasyData knew the right people for the job. The application developed by ATAPY has been operating flawlessly at MEMIC for several years and has already processed tens of thousands of forms exceeding the customer's expectations.

EasyData and ATAPY separate an incoming image stream by barcoded pages

ATAPY's experience with barcode recognition became useful when



EasyData received a request from one of its clients for a program that would generate PDF files from a flow of scanned document pages.

Wageningen University uses a variety of scanners to provide convenient access to academic materials. ATAPY designed a program that launches a scanning process through its own interface, stores the images in a specific folder, and combines one-page images into multi-page PDF files. The program employs ABBYY FineReader 6.0 Engine to find barcodes and uses the barcoded page as the cover page of the PDF. Next, it appends the subsequent images as pages to the PDF until it encounters the next barcoded page. The program provides an efficient GUI for selecting a scanner, specifying the output resolution, setting other important parameters, and controlling the process.

The competency of ATAPY engineers and the power of FineReader resulted in a reliable and stable application for converting large volumes of incoming material.

Among EasyData's customers in the education sector there are also Dutch Institute of War documentation NIOD, University of Nijmegen, Technical University of Eindhoven and others.

EasyData and ATAPY Deliver an Image Cleaning Solution for the Legal Industry

'Raad voor Rechtsbijstand' (www.rvr.org) is a Dutch agency that provides legal advice and public prosecutors to people who are unable to hire a lawyer. The agency maintains a large archive of various legal records. While attempting to convert the archive to a digital format, the agency faced an unexpected problem.

Raad voor Rechtsbijstand

Many documents were printed on intensively colored paper. The same background that made the documents look nice and distinct, turned up as a heavy jitter on black-and-white scans that inflated the file sizes, made them difficult to read, and impossible to OCR.

The agency sought professional advice from EasyData B.V. EasyData analyzed the situation and concluded that no ready-made solution, such as the despeckling facilities in modern OCR packages, would produce acceptable results since the jitter was significantly heavier than what those tools are capable of removing. EasyData outsourced the problem for more thorough research to ATAPY Software. ATAPY's engineers designed and implemented a custom algorithm that approached the task more intelligently, taking into account not only the linear characteristics of each dot cluster, but its context (characteristics of the neighboring clusters). The result is a tool that produces nearly-clean images with insignificant information loss and that take up to 10 times less disk space:



Before (OCR rate = 1.9%)



After (OCR rate = 98.9%)

EasyData and ATAPY contribute to the Dutch Government IT program



The Dutch Ministry of Justice conducts an assessment for the living conditions at correctional institutions in the Netherlands. This involves the distribution and collection of large volumes of multi-page questionnaires and reading them automatically with the ABBYY FormReader. As the proprietary format of the statistics-and-reporting system did not allow for direct export, the Ministry turned to ABBYY's most experienced integrator in the country for a solution.

EasyData, together with ATAPY, designed a custom export module accessible from ABBYY FormReader toolbar. The module writes recognition results into a special intermediate file format importable into the target system.

About Wageningen University:

Wageningen University and Research Centre (www.wur.nl) is a research and higher education institution that trains specialists (BSc, MSc and PhD) in life sciences.

About the Dutch Ministry of Justice:

The Dutch Ministry of Justice is currently headed by a minister and state secretary. It employs almost 30,000 civil servants at the main office in The Hague and all around the Netherlands.



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