

Joutsenon Elementti Utilized Computer Vision for Order Processing

Codento demonstrated to Joutsenon Elementti the use of Google Cloud, particularly the Document AI tool, in demanding text recognition. Codento's previous similar implementations also positively influenced the decision.

The challenge

In the order processing at Joutsenon Elementti, a significant and time-consuming phase was extracting data from technical drawings in PDF format. Despite clear industry standards, technical documents arriving from various design offices often came in vastly different formats. Previously, Joutsenon Elementti experts searched for information from images in the documents and manually inputted them.

The solution

At its minimum, for a standard form, a reliable model can be trained using Document AI with less than ten examples. In this case, the examples were significantly more challenging. Layouts in technical drawings vary from one engineering office to another. Therefore, it could not be assumed that technical drawings were standard forms. Training the model only required about 30 technical drawings.

The result

As a conclusion in the Proof of Concept (PoC), it was feasible to automate the extraction of data from PDF files and input them into Joutsenon Elementti's own systems using Google Cloud's modern object character recognition tools.

“Codento succeeded in a short time in solving a practical challenge that had been troubling us, leveraging their expertise, artificial intelligence, and the capabilities of Google Cloud. We gladly recommend Codento for similar assignments aiming to automate sales and order processing.” Teemu Liimatainen, Sales Director, Joutsenon Elementti

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About Joutsenon Elementti

Joutsenon Elementti Oy is a Nordic expert in concrete elements and a manufacturer of high-quality elements. Nearly a hundred employees work across three Joutsenon Element factories.

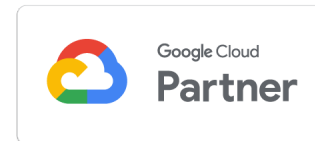
Vertical/horizontal solution: Manufacturing & Industrial

Primary project location: Finland

CODENTO

About Codento Oy

With Codento, you gain competitive edge via clearer customer foresight, smarter operations, and increased software intelligence on Google Cloud



Products

Google Cloud Platform