RISK-WEIGHTED ASSETS

Analyzing diverse valuation reports for a major UK-based retail and commercial bank

Helped the bank quickly compile the data required to obtain risk-weighted capital relief

Automated the extraction of data points from valuation reports saved in various formats and file types

Delivered data seamlessly to other systems and users within the bank
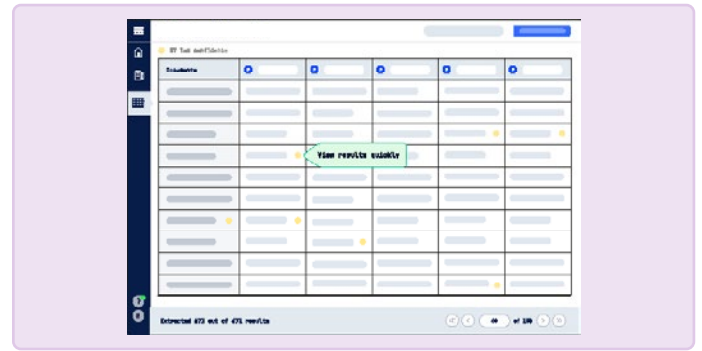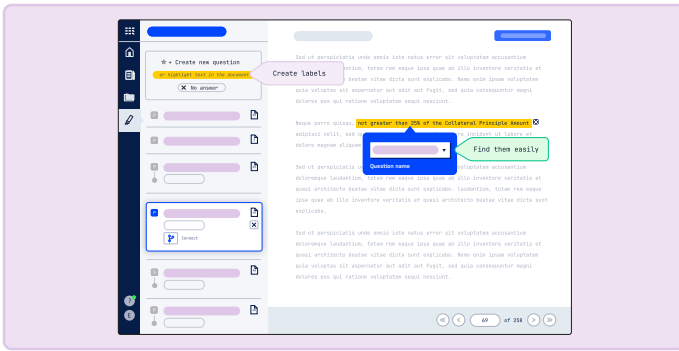
THE CHALLENGE

The bank needed to develop the capability to analyze the composition of real estate collateral supporting its SME lending portfolio. Although collateral went through a robust assessment as part of the lending approval process, very few details were captured in a structured format.

For each real estate asset pledged as collateral, the bank typically had a valuation report provided by a third-party surveyor. These valuation reports varied significantly in terms of format, but largely contained the key information that the bank needed to analyze.

By extracting the information within the valuation reports and organizing it in a structured format, the bank could analyze the data in order to obtain risk-weighted asset (RWA) capital relief.

SOLUTION

The bank was able to automate the extraction of data including the type of property, location, rental income, property status, and multiple variants of market value under different assumptions. The bank is now able to achieve better valuation of the capital they have tied to their loans, driving RWA relief.

TRAINING FLOW

Users label the fields in the prospectus that matter most to them. Eigen uses this data to build a machine learning model.

RESULTS TABLE

The model is then used to analyze any new prospectus and pull out the right data points. Data can be exported, or sent to other platforms using APIs.

5-10
faster than manual processing alone

1
consolidated database of information related to their real estate

IMPACT

Eigen was chosen because of its ability to process a document type that is highly variable and its ability to extract custom data points as defined by the bank. Eigen was also able to seamlessly integrate with delivery partners and other solutions within the bank.

Eigen
Technologies

ABOUT EIGEN TECHNOLOGIES

We're a team of data scientists, product engineers, solution consultants, and customer services experts with offices in New York, London, and Lisbon.

Our mission is to supercharge the way organizations operate by unlocking the value of information and insights trapped in documents. We exist to make data useful and document processing seamless for our customers.

The Eigen AI-powered no-code intelligent document processing platform enables firms to extract, classify and interpret virtually any information from any document to make smarter business decisions, eliminate manual processing and optimize the flow of data between systems and people.

Eigen uses natural language processing and cutting-edge machine learning to automate the extraction of answers from documents and can be applied to a wide number of use cases. Our AI understands context and delivers better accuracy on far fewer training documents with market-leading information security.

Our customers include some of the most well-known and respected names in business such as Aviva, Bank of America, BNP Paribas, Deloitte, Fortress, Goldman Sachs, Hiscox, ING, and Orrick.

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