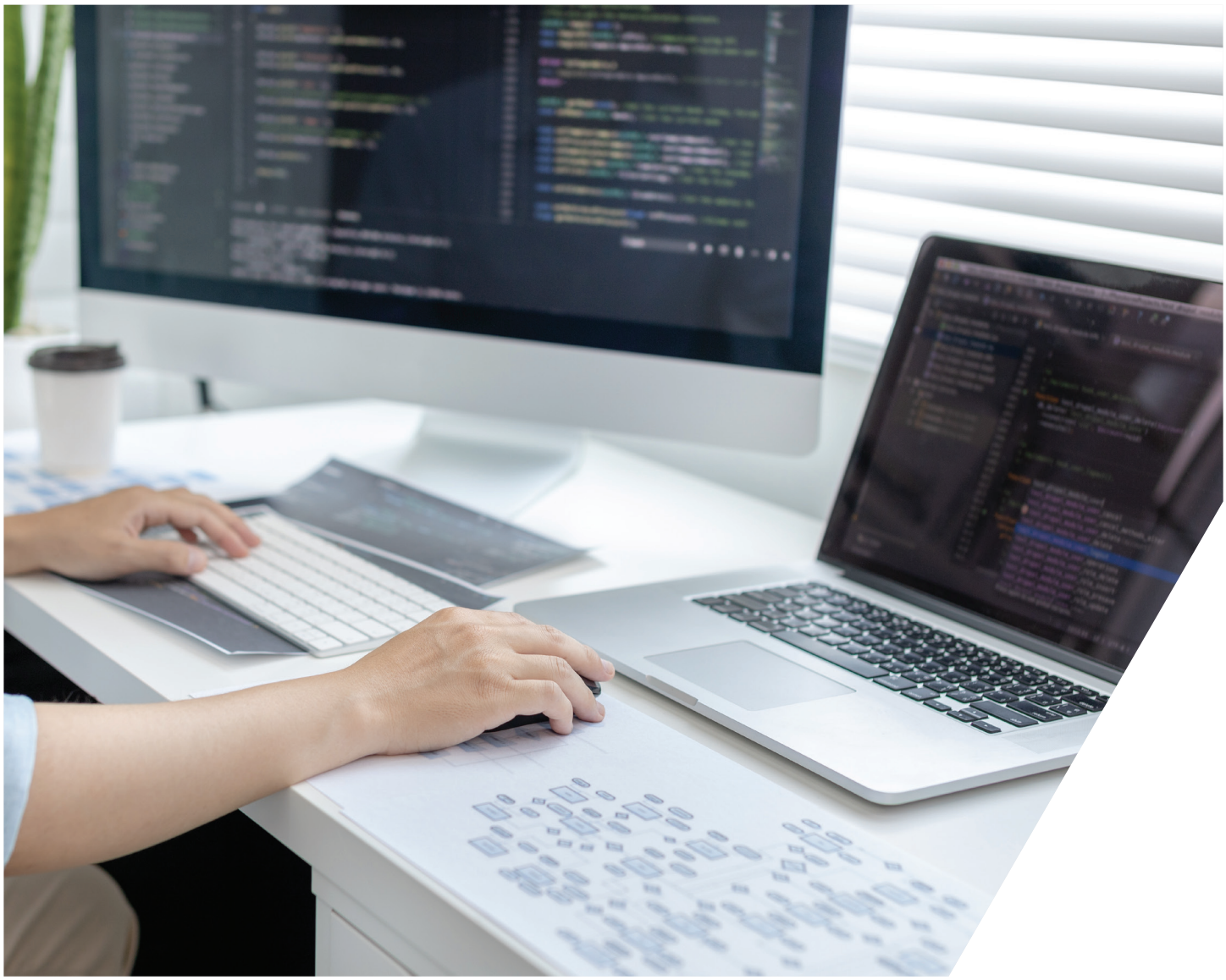

GAME-CHANGING FINANCIAL ANALYTICS

CREDIT RISK SPECIALIST BUILDS ROBUST SAS LANGUAGE-POWERED ANALYTICS FRAMEWORK

About the Customer

London-based financial consultancy Vestigo develops credit risk, portfolio analysis, and stress testing workflows and machine learning models for lenders in the U.K. and Europe. Its clients include major financial institutions, private equity and investment funds, and specialist lenders. The firm focuses on its clients' consumer credit requirements, and also develops cash flow forecasts for loan portfolios, asset and debt sale processes, loan and customer segmentation models, scorecards, and valuation models based on its team's more than 50 years of consumer finance experience. The company has delivered loan book valuation and deal support on more than 100 deals on behalf of

> "With Altair, we can build, manage, and deploy credit risk and valuation models quickly. We can leverage our extensive knowledge of the SAS language to create models from scratch, combine SAS language-based tools with machine learning models built in Python and R, and work with our clients' existing processes.
>
> Paul Matthews, Partner
> Vestigo

both sellers and investors and provides out-sourced and in-sourced analytics and credit risk services on an ongoing basis for many of its clients. Vestigo began using Altair Analytics Workbench and Altair SLC in 2017.

Altair enables developers to maintain and build SAS language programs within a comprehensive integrated development environment that also supports Python, R, and SQL.

Their Challenge

Vestigo supports secured and unsecured lenders throughout the credit lifecycle. Its services include development of decision support systems for marketing, underwriting, fraud prevention, customer management, and collections. The firm needed efficient methods for deploying analytics and delivering data-driven insight quickly in a variety of situations for clients varying in size from regional operations to lenders with loan portfolios exceeding $5 billion.

The team has many years of experience developing and deploying models built using the SAS language and has clients with libraries of existing SAS language models, and needed a way to utilize code built in several languages into deployable — and maintainable — models.

Our Solution

Vestigo's executive team was familiar with the requirements for robust credit risk analysis and reporting based on its previous experience at firms including Experian, Barclays, and Equifax. The core team had also used Altair tools at Euristix, a consulting firm where they had all worked together before starting Vestigo in 2017 so there was no need to conduct a proof of concept – the team knew the tools would work for them.

Vestigo uses Altair Analytics Workbench™ to develop and maintain models and programs written in the SAS language. The software's drag-and-drop workflow lets its teams build new models quickly without needing to write any code. When the team needs to update existing client libraries, they can work with clients regardless of what language the client used to build them originally since Analytics Workbench can handle Python, R, and SQL in addition to the SAS language. The Vestigo team can combine modules built in any of the four languages into their updated models.

Altair SLC™ lets them run programs written in SAS language syntax without translation and without needing to license third-party products. This reduces Vestigo's capital costs and makes its consulting deliverables and services more competitive.

Results

Today, Altair SLC and Analytics Workbench are integral to Vestigo's operations. Vestigo utilizes Altair data analytics tools to analyze more than $10 billion worth of loan assets per year, and has delivered cash flow forecasts models on more than 150 secured and unsecured loan portfolios. In all, Vestigo uses Altair tools in loan portfolio monitoring, stress testing, attrition and lifetime value modeling, collections reporting, risk management, and custom scorecard development.

Learn More at:
altair.com/data-analytics