

SRS' Client Success

Award-Winning Data Science Transforms Captive Operations

Challenge

In 2024, a Strategic Risk Solutions ("SRS") client ("the Company") with a Luxembourg-based credit insurance captive, faced mounting operational pressures as the company expanded across global markets. Since its formation in the early 2000s, the Company has grown to generate over \$100 million in annual premium income, issuing policies across multiple jurisdictions for its parent company.

Despite strong financial performance—maintaining an "A" (Excellent) financial strength rating from AM Best—the Company was constrained by legacy systems and manual processes that could no longer support the company's volume, complexity, and ambitious growth trajectory.

Solution

Following a comprehensive market tender evaluating technical capability, innovation, ESG alignment, and cultural fit, the Parent Company selected SRS to deliver a bespoke Data Science platform that would fundamentally transform the Company's financial data management and regulatory reporting. The specific goals agreed to were as follows:

- **Eliminate manual underwriting journal entry preparation and reconciliation processes consuming 3-4 days per financial close cycle.**
- **Automate processing of over one million records quarterly across 17 currencies, including premiums, commissions, underwriting data, and financial entries.**
- **Meet strict three-day financial reporting deadlines while maintaining complete audit trails for Luxembourg's Solvency II compliance.**
- **Provide scalable infrastructure to support continued expansion without proportional increases in administrative headcount.**

SRS engineered a custom Extract, Transform, Load (ETL) automation pipeline specifically designed to address the Company's data capacity and processing constraints:

- **Extract: Database extraction pipelines ingest over 1 million records per quarter from disparate sources.**
- **Transform: Creates structured, normalized tables from unstructured files, applying stored procedures to convert data following established accounting methodologies and generating dimensional metadata tags for reporting.**
- **Load: Automates and authenticates uploads into the general ledger system, supporting strict reporting deadlines with complete audit trails.**

The platform's core is designed with an AI-enabled data warehouse that allows detection of emerging risk patterns, anomalies, and opportunities through customizable dashboards and the ability for predictive analytics. The solution is delivering transaction-level visibility aligned with the Parent Company's reporting frameworks.

Results

SRS Data Science technology and the Company achieved transformational operational efficiency and strategic capability.

- **Process time reduced from 3-4 days to 2-3 hours per financial close cycle—a 90%+ time reduction that eliminated the risk of missed regulatory deadlines.**
- **Manual underwriting journal entry creation, dimensional tagging, and reconciliation processes were eliminated, freeing finance staff to focus on higher-value analysis and strategic work.**
- **The scalable infrastructure now supports continued expansion, new insurance programs, and additional currencies without requiring a proportional increase in administrative resources.**
- **On-demand analytics and business intelligence reporting enable management to identify trends, optimize pricing, allocate capital more efficiently, and make data-driven underwriting decisions.**

Technology Solution of the Year

SRS Data Science was recognized as “Technology Solution of the Year” at the 2025 European Captive Review Awards, held in November at the European Captive Forum. The judges specifically acknowledged SRS for “solving real-world challenges faced by European captives” and building “a robust, scalable platform that bridges the gap between raw data and actionable intelligence.”

About Strategic Risk Solutions (SRS)

Strategic Risk Solutions (SRS) is the world's largest independent insurance company manager. With over 25 years of experience, SRS provides management and consulting services to a wide range of insurance company entities, from single-parent captives to complex commercial insurers and reinsurers. SRS has operations in North America, South America, Europe, the Caribbean, and South Africa.