

Data Analytics

Better data, better decisions

For analytics to provide the level of insight needed for confident analysis and decisions, you must begin with the right data. Control Risks works with clients to define their requirements, determine the relevant data, and apply analytics to provide insight into risks and inspire confident decisions.

For decades Control Risks experts have advised clients on their unique risk landscapes, developing a wealth of expertise across sectors and markets worldwide. Our Data Analytics team marries our deep risk management expertise with technology capabilities to create a unique advisory capability.

Our expertise in leveraging internal and external data sources allows us to enrich data sets with human and subject matter expertise, ranging from geopolitical analysis to physical security, emerging technologies to litigation and regulatory risks. It is our ability to augment data collection and analysis using human intelligence that increases reliability, uncovers bias, refines the outcomes, and offers the deep insight that only Control Risks experts can provide.

With a team of professionals experienced in data exploration, predictive analytics and application of new technologies such as AI and machine learning, we help clients across industries put data at the centre of their decision making.

Providing value across all risk stages using data analytics

In today's volatile, uncertain, complex and ambiguous (VUCA) environment, evolving risks are forcing companies to reconsider their traditional approach to risk management. We collaborate with organisations to harness analytics throughout their risk management function, transitioning from reactive data analysis to proactive monitoring and screening, and advancing towards predictive detection and horizon scanning.



Key services



Regulatory Response

Collect, manage, analyse, and produce large, complex transactional datasets in a forensically sound manner for regulatory requests and enquiries.



Security Risk Assessments

Data-driven risk assessments of sites and physical assets informs strategic decision making for investments in security.



Proactive Compliance Monitoring

Proactively manage compliance processes, gaining insight into potential areas of risk and enabling faster remediation.



Proactive Risk Management for Portfolios

Clear, actionable insights on emerging threats such as activism, reputation issues, regulatory actions, and industry-specific threats.



Data-Driven Internal Audit

Continuous auditing using data analytics can provide a more frequent view into potential risk areas and faster remediation.



Brand Risk and Counterfeit

Predictive brand risk monitoring allows risk managers to assess and predict risks to a brand proactively, based on key risk indicators.



Embedded Consulting Services

Our embedded analysts serve as an integrated part of your team, providing analytics and data enablement for your compliance and/or security functions.



Transaction Compliance Analysis

We provide analysis of accounting-based entries and transactions from a data-led perspective for pre-acquisition due diligence and/or post-acquisition to ensure compliance.



Case studies



Fraud and Corruption Investigation

A global technology company was facing allegations of fraud and corruption payments in many of its subsidiaries. Control Risks was engaged to guide and support the client through the many challenges that it faced as it responded to data-related enquiries from the government.

We worked with the client to assess its data landscape, and the availability of datasets to be able to respond to the enquiries from regulatory bodies. Once relevant datasets were identified, data was collected and analysed using a data-driven, risk-based approach to identify high-risk payments. This allowed the client and counsel to effectively strategise and provide a comprehensive response to the regulatory enquiries. Furthermore, the high-risk payments were produced to the regulatory bodies in a timely, forensically-sound manner.



Ongoing Proactive Compliance Monitoring

A large consumer goods company with operations across the globe engaged Control Risks to perform data-driven proactive fraud monitoring across its procurement and distribution functions.

We conducted a proof of concept (POC) on the client's procurement and distribution data to assess the effectiveness of data analytics in detecting fraud. Using algorithms and data visualisation tools, we identified irregular transactions and anomalies. Steps involved dataset identification, preliminary analytics on a sample dataset, building a risk matrix, and presenting a report with our findings. Testing focused on high-risk activities like third-party agent usage, financial incentives, and conflicts of interest. Red flags were identified in vendor master and transactions, including similar vendor identifiers indicating possible collusion, suspicious payment narratives, and unusual payment patterns. The client was able to react faster to issues and reduce fraud losses across multiple business units.



Ongoing Investment Risk Monitoring

Our global extractives client wished to incorporate geopolitical and country risk ratings into their investment risk calculation. Risk Radar supported them with a bespoke, data-driven scoring program.

The client sought to eliminate bias from their investment model, integrating geopolitical, environmental, and security risks. We developed a data driven solution, scoring regulatory changes, civil unrest, and macro events. Data sources included netizen sentiment, media bias, government statements, and expert opinions. The solution allowed for nuanced risk assessment, guiding investment decisions and ongoing risk monitoring.