

ANALYTICS & ALTERNATIVE RISK TRANSFER

Organization and services provided

At Diot-Siaci, we firmly believe that analytics is a powerful lever to provide our clients with the best possible service and help them understand the processes involved in risk management structuring and placement of their risks.

That is why the **Analytics & Alternative Risk Transfer Division** was created in March 2022 as part of the new Diot Siaci Corporate Solutions (DSCS) organization. This division, consisting of 8 statisticians, actuaries and data scientists, is managed by Stanislas Legait and is part of the new Analytics, Consulting, Solutions and Placements Division (ACSP).

This division works on all the issues faced by our clients in the field of P&C and Marine.

The Analytics & Alternative Risk Transfer division provides the following services:

- Statistics and complex calculations.
- Actuarial and algorithmic (artificial intelligence) support to provide our clients with an insightful overview of their risks.
- Consulting and assistance in Cat Analytics and climate transition (through our partners).
- ART: promoting parametric solutions and establishing a link between DSCS's direct brokerage and the services provided by 2RS which specializes in ART engineering and captive management.



Stanislas Legait
Director of Analytics &
Alternative Risk Transfer

The founding pillars of value creation

Analytics is centered around 3 pillars:

- 1. Analyzing the data** to obtain a better understanding of the risk by means of insured values, loss history, exposure assessment, and scenarios (potential losses and losses already suffered in the past for the same category of risks). This analysis is further enhanced by the use of market data.
- 2. Processing these data** using actuarial and artificial intelligence: for multi-lines, actuarial methodology and tools are required. In addition, machine learning technologies and algorithms have evolved significantly over the last decade, allowing for more detailed analysis than what was previously possible.
- 3. Reporting back on the analyses of these data** in the form of actionable levers for the Risk Manager client to make their decision-making process as informed as possible:
 - Specific, innovative assessments of the total cost of risk (TCOR) for each insurance line and from a multi-line viewpoint. For insurance lines with significant retention such as property damage, the actuarial methodology generates meaningful, detailed results in order to provide a better understanding of the volatility of the risks being retained or transferred.
 - Optimization of risk transfer: whether it is to explore the possibility of setting up a self-insurance scheme (in collaboration with 2RS) or to analyze the parametric insurance of natural event risks.

Moreover, by creating an Analytics division, Diot-Siaci has further strengthened its capabilities to:

- Challenge the amount of risk transfer to insurers, especially for long-duration insurance lines with a significant reserving component.
- Carry out an in-depth analysis of the insurer's pricing in certain lines, particularly where the rate is highly dependent on the loss experience or when the retention level is adjusted.
- Assist our clients in the quantitative analysis of natural events (Cat Analytics) in collaboration with our partners.
- Improve corporate risk management (risk anticipation and management, mapping, and prevention) in collaboration with our partner Arengi and the prevention teams in the ACSP Division.

