



CASUALTY ANALYTICS PLATFORM

Ever wished for the kind of insight on liability exposures that you have for property?

Arium helps Chief Underwriting Officers, Chief Risk Officers, and their teams understand and quantify their liability and loss potential across all commercial liability lines of business.

CASUALTY PORTFOLIO MANAGEMENT

Arium enables you to understand the relationships between liability exposures within a portfolio and how losses may propagate through the supply chain, using a map of industry sectors connected by more than 1 million hierarchical trade flows.

Arium can help you enhance your existing policy information with detailed data about millions of companies to help you develop a better understanding of your liability exposures.

With Arium, potential accumulations across your casualty portfolio can easily be defined, calculated, and monitored.

KEY BENEFITS:

- Develop an unlimited number of custom scenarios or adapt existing scenarios; more than 80 diverse scenarios based on forward-projected versions of historical events and emergent and emerging risks have been built and maintained for use within Arium
- Use the information Arium provides to inform underwriting strategy and begin proactively managing your casualty portfolio
- Construct reinsurance programs and calculate their ceded and net losses to a single scenario or a full event set

UNDERSTANDING SCENARIO LOSSES

Casualty events are difficult to predict. The rapidly changing legal, economic, and technological environments mean that the past is only a starting point for understanding the impact of future events.

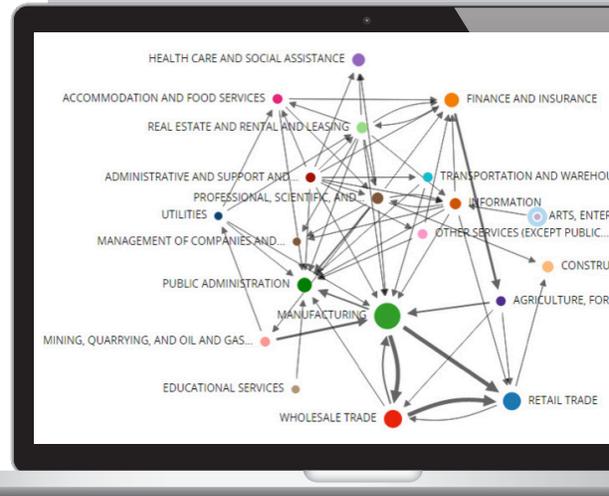
Portfolio losses due to forward-projected historical events and emergent and emerging risks can be modeled by designing scenarios that impact multiple lines of business and industries throughout the supply chain.

Arium will maximize the value of your in-house expertise by enabling you to easily develop custom scenarios using a set of transparent parameters.

Portfolios can be stress tested in real time by altering the assumptions and scenarios included in an analysis.

KEY BENEFITS:

- Understand your portfolio—where it's vulnerable, and what opportunities exist for growth
- Understand how your portfolio may be impacted by losses as risks propagate through the supply chain
- Understand conglomerate structures and underlying activity
- Data-driven decision-making for underwriting guidelines and portfolio management



Interested in trying Arium?

<http://www.air-worldwide.com/Software-Solutions/Arium/>
U.S. / North America

Call +1-617-267-6645

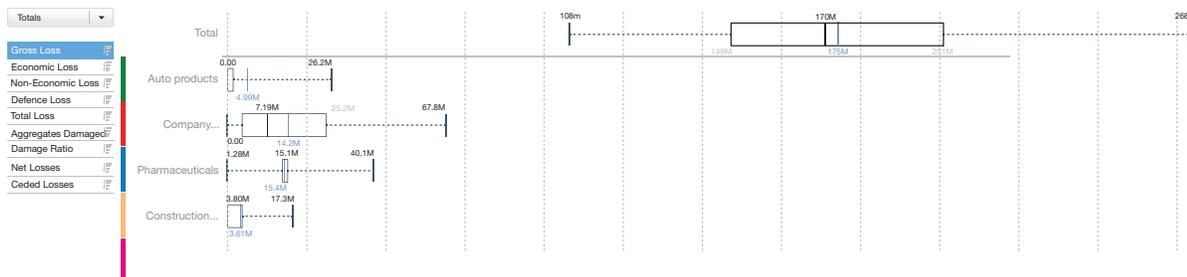
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83.75% 175M 1.27B 14.5B 5.23B 210M 7.84B 95.9M 78.6M
 Mean Damage Ratio Mean Total Gross Losses Mean Total Defence Costs Mean Total Economic Loss Mean Total Non-Economic Loss Mean Total Aggregates Damaged Total Aggregates Mean Ceded Losses Mean Net Losses



Scenarios can be grouped into categories (e.g., pharmaceuticals, auto products, financial malfeasance, etc.) called event sets, for analysis purposes. Arium enables you to model results probabilistically by assigning frequencies or occurrence probabilities to each event set, and then simulates thousands of years to calculate reasonable ranges of loss to a portfolio.

Probabilistically generated loss ranges capture the uncertainty inherent in potential loss causing events—including the type of occurrence, the severity of the loss, and the frequency with which each type of loss can occur.

Probabilistically generated loss ranges account for variations in the loss allocation process, enabling you to assess what impact a loss causing event could have to the portfolio being analyzed. For example, a single event could impact one or more risks in the portfolio or it could leave the portfolio unaffected.

Assumptions on culpability and the way liability propagates through the supply chain can be modified at any time, providing transparency and the flexibility to investigate a full range of potential outcomes.

Detailed results data can be exported directly using a customizable reporting feature. Alternatively, exporting results can be automated and integrated into your workflows using built-in APIs.

SUMMARY

Arium provides a transparent and flexible framework to probabilistically model portfolio losses for a wide range of casualty risks.

AIR WORLDWIDE (AIR) AIR Worldwide (AIR) provides risk modeling solutions that make individuals, businesses, and society more resilient to extreme events. In 1987, AIR Worldwide founded the catastrophe modeling industry and today models the risk from natural catastrophes, terrorism, pandemics, casualty catastrophes, and cyber incidents. Insurance, reinsurance, financial, corporate, and government clients rely on AIR's advanced science, software, and consulting services for catastrophe risk management, insurance-linked securities, site-specific engineering analyses, and agricultural risk management. AIR Worldwide, a Verisk ([Nasdaq:VRSK](https://www.nasdaq.com/markets/stocks/quotes/VRSK)) business, is headquartered in Boston, with additional offices in North America, Europe, and Asia. For more information, please visit www.air-worldwide.com.



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