



The Catastrophe Loss Analysis System Designed for Reinsurers, Direct Insurers, Financial Intermediaries and Investors

CATRADER® is the tool selected by sophisticated global reinsurers, direct insurers, and financial intermediaries for performing comprehensive analyses using aggregated exposure data or detailed Company Loss Files (CLF™s). Companies around the world rely on this system for assessing and pricing catastrophe risk transfer alternatives.

For the reinsurer, CATRADER provides analytical efficiency and an intuitive software interface. CATRADER includes a wide variety of probabilistic and historical event catalogs, information on event seasonality, and the ability to analyze treaties of varying duration. Gross, ceded, and net retained loss estimates are provided by event in a format suitable for supporting the analysis and structuring of various risk transfer options, whether they are traditional reinsurance structures or alternatives, such as catastrophe bonds and industry-

loss or parametric index-based products. With CATRADER's ability to efficiently quantify the incremental impact to estimated losses from a single contract, companies can monitor the correlation between contracts and test a variety of hedging strategies.

CATRADER allows users to perform risk assessment and quantification based on widely varying detail regarding underlying risks. For reinsurance analysis, CATRADER can use CLFs created from detailed exposure data entered into CLASIC/2™. Alternatively, CATRADER can also take advantage of all types of aggregate exposure information, including premium, risk counts, and sums insured. In fact, an important feature of the system is its ability to analyze the loss potential of an individual contract even when the ceding company provides limited exposure data. CATRADER accomplishes this by accessing AIR's proprietary high-resolution databases of property values specific to each of more than 40 modeled countries. These databases incorporate local building and construction practices and other region-specific details to ensure the most accurate analyses possible.

For the direct insurer, CATRADER allows the easy integration of results generated from detailed CLASIC/2 analyses into a corporatewide risk profile, enabling the development of catastrophe risk strategies at the company, division, or profit center levels. This facilitates not only the allocation of corporate reinsurance costs to the appropriate divisions, but also the definition and reinforcement of divisional strategies designed to protect the corporate risk position. In addition, because CATRADER includes detailed total market exposures and corresponding detailed industry losses, it is an excellent tool for calculating market penetration rates, investigating growth strategies, evaluating potential mergers and acquisitions, performing peer company analyses and basis risk analyses.

CATRADER is also used to structure and evaluate securitized transactions, such as catastrophe bonds, as well as industry-loss and parametric-based products. Investors use CATRADER to analyze the risk in catastrophe-linked financial instruments.

Whether for reinsurers evaluating standard treaty structures, financial intermediaries providing risk transfer advice to clients, or insurance companies looking to leverage their CLFs for maximum strategic impact, CATRADER is the clear and unparalleled choice.



CATRADER® Provides the Following Valuable Functions:

- Estimates full probabilistic loss distributions for all treaty and contract types
- Estimates treaty, contract, or portfolio losses based on a fully robust, comprehensive catalog of events
- Estimates losses on a gross and net basis and accounts for proportional and non-proportional retrocessional contracts
- Enables the analysis of multiple levels of inuring contracts in the order specified by the user
- Efficiently calculates the marginal impact of a contract or treaty on an existing or reference portfolio
- Provides detailed output of loss by simulated event, including event description, facilitating the structure and analysis of risk transfer transactions based on event parameters

Other Significant Features of CATRADER

Flexible Data Input

- Direct import of a ceding insurer's sums insured, number of risks, and/or premium for over 40 modeled countries using UNICEDE® or UNICEDE®/2, the industry standard aggregated exposure file formats developed by AIR
- Direct import of Company Loss Files (CLF™) that result from detailed risk analyses performed in CLASIC/2 using detailed risk and policy level data
- Interactive data entry enables either on-screen entry or the easy transfer of data between CATRADER and other applications, such as Microsoft® Excel, using CATRADER's copy and paste features

Industry Exposure and Loss Databases

- Includes total industry property values by line of business, peril and subarea
- Provides industry loss distributions for each peril by country, area, or subarea
- Enables fast comparisons of ceding company market shares, by area (e.g., state) or subarea (e.g., county), for all types of exposure, including sums insured, number of risks, premiums, and more
- Ensures that user-specified market shares for a company can be applied to estimate losses reliably even when no company-specific data is available
- Enables transparent analysis of industry loss triggers

Mapping Utility Provides Efficient View of Exposures and Loss

- Built-in mapping and charting capabilities enable the user to quickly and easily view premiums, sums insured, number of risks, market shares and losses
- Unique built-in peril viewer enables the user to view specific events such as hurricanes and earthquakes within the software

Real-Time Loss Estimation Capabilities

- Real-time event sets for events around the world can be downloaded from AIR's ALERT™ website in real time; in the case of hurricanes and typhoons, event sets for modeled countries are available up to 48 hours before projected landfall
- Portfolio analysis can be performed based on these event sets to determine a company's loss potential using actual exposures and the most current information about the event

AIR's unparalleled technical support and customer service guarantee that our clients derive maximum value from AIR technology.

To find out more about AIR's software solutions visit
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