

# RiskTech 100<sup>®</sup>

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## 2017

### Category Winner Highlights: Numerix

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Independent research by



## About Chartis

Chartis is the leading provider of research and analysis on the global market for risk technology and is part of Incisive Media which has market leading brands such as Risk and Waters Technology. Chartis's goal is to support enterprises as they drive business performance through better risk management, corporate governance and compliance and to help clients make informed technology and business decisions by providing in-depth analysis and actionable advice on virtually all aspects of risk technology. Areas of expertise include:

- Credit risk
- Operational risk and governance, risk and compliance (GRC)
- Market risk
- Asset and liability management (ALM) and liquidity risk
- Energy and commodity trading risk
- Financial crime including trader surveillance, anti-fraud and anti-money laundering
- Cyber risk management
- Insurance risk
- Regulatory requirements including Basel 2, Basel 3, Dodd-Frank, MiFID II and Solvency II

Chartis is solely focused on risk and compliance technology giving it significant advantage over generic market analysts.

Chartis has brought together a leading team of analysts and advisors from the risk management and financial services industries. This team has hands-on experience of implementing and developing risk management systems and programs for Fortune 500 companies and leading consulting houses.

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## RiskTech100® 2017 category winner: Numerix



2017 Category Winner  
Strategy

Numerix has evolved from a pure pricing vendor into an enterprise risk technology player, and has capitalized on its financial engineering and modeling capabilities in growth areas such as structured products, annuities and life insurance. Numerix also has a strong network of strategic partnerships to drive business into specific areas such as credit risk and the Fundamental Review of the Trading Book (FRTB).



2017 Category Winner  
Pricing & Valuation

Numerix offers a market-leading pricing library for over-the-counter (OTC) derivatives, underpinned by sophisticated financial engineering. This library is flexible and expandable, allowing any type of OTC instrument to be modeled, and providing a unified platform for consistent valuations across all positions and asset classes.

*Chartis's RiskTech100® report is globally acknowledged as the most comprehensive independent study of the world's major players in risk and compliance technology.*

*Chartis is the leading provider of research and analysis on the global market for risk technology.*

**Numerix achieved 11th overall in the RiskTech100® 2017 rankings, rising 4 places from last year's ranking of 15th.**

## 2 Vendor profile

Numerix is a provider of technology solutions for risk management, analytics, pricing and valuation, trade capture for capital markets and asset liability management. Founded in 1996, Numerix has about 300 employees around the world, and more than 700 clients, including firms in asset management, banking, brokerages, insurance and corporate treasury. It provides cross-asset and hybrid solutions, as well as offerings for commodities, credit, equity, fixed-income, foreign exchanges and inflation.

Numerix also operates with a strategic partner network of 90 companies, which includes providers of:

- Systems.
- Enabling technology.
- Market data and valuation services.
- Consulting and integration.

Numerix was a Category Leader in Chartis's Buy-Side Risk Management Technology 2016 report. Category Leaders are risk technology vendors with depth and breadth of functionality, technology and content, combined with the organizational characteristics to capture significant market share in terms of volume and value.

Numerix's pricing and risk analytics engine, Numerix CrossAsset, provides a consistent source of calculations and enterprise risk assessments. As well as offering a common analytics base, it also uses a data-driven approach, which means it can be adapted to client infrastructures, risk systems or business intelligence (BI) systems. Numerix's solution set, the CrossAsset Analytics Platform, provides real-time analytics for the front office and risk department. It includes derivatives valuations and collateral optimization, counterparty credit risk and Credit Valuation Adjustment (CVA) calculations for derivatives.

The foundation of Numerix's architecture is its model library. This is designed to allow institutions to price an extremely wide range of financial instruments, and to produce a wide range of risk metrics and risk-adjusted performance measurements. Numerix supports both single- and multi-curve discounting approaches, including the London Inter-Bank Offered Rate (LIBOR) and the Overnight Indexed Swap (OIS). Numerix also provides a model validation framework, which helps users to speed up the validation of Numerix libraries, as well as those belonging to clients and third parties.

Numerix's Oneview pricing and risk analysis platform provides real-time market risk measures and counterparty exposures to help firms make informed decisions about risk and capital allocation. Using risk and pricing analytics, Numerix Oneview enables users to understand and manage enterprise-level exposure to any risk, across large and diverse portfolios comprising a range of assets, from 'vanillas' to 'exotics', from any asset class.

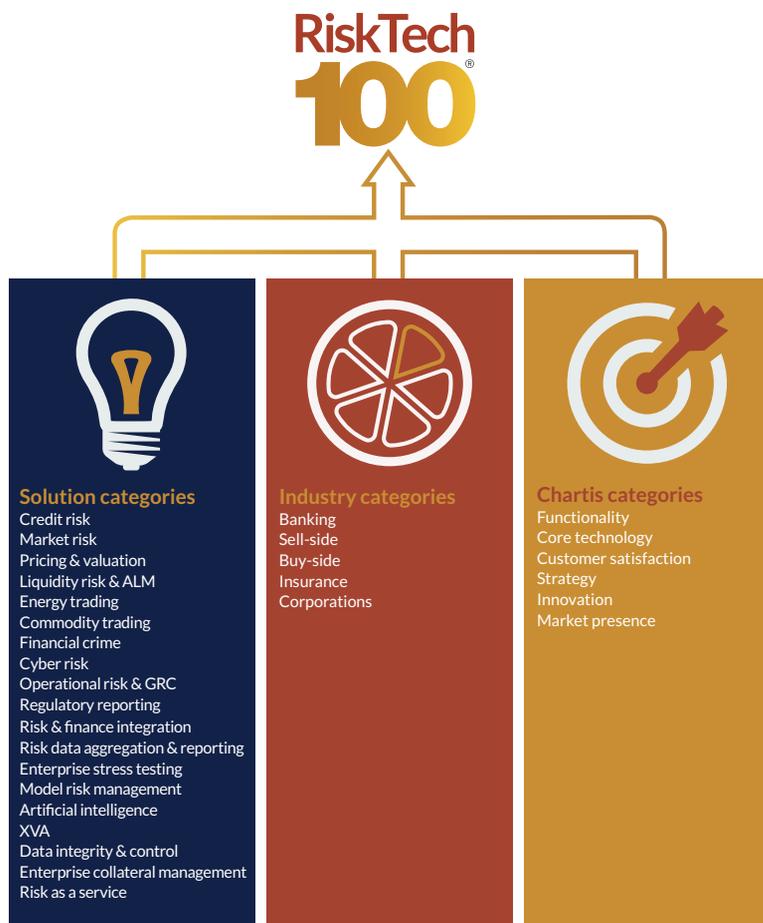
The solution also provides stress testing and user-defined risk scenario capabilities, and can simulate pricing and counterparty credit risk measurements such as Expected Positive Exposure (EPE), CVA and Potential Future Exposure (PFE). Via its partners, Numerix can provide real-time BI to its users, and its numerical / calculation output can be visualized using its own user interface, or through interfaces provided by other partners.

### 3 Research taxonomy and methodology

#### Taxonomy

The companies featured in RiskTech100® are drawn from a range of risk technology specialisms, and meet the needs of both financial and non-financial organizations. However, they share a number of qualities that rank them among the top 100 risk technology providers in the world. The rankings are determined based on the classifications illustrated in Figure 1, which this year focus on solutions, industry segments and success factors.

Figure 1: RiskTech100® Taxonomy

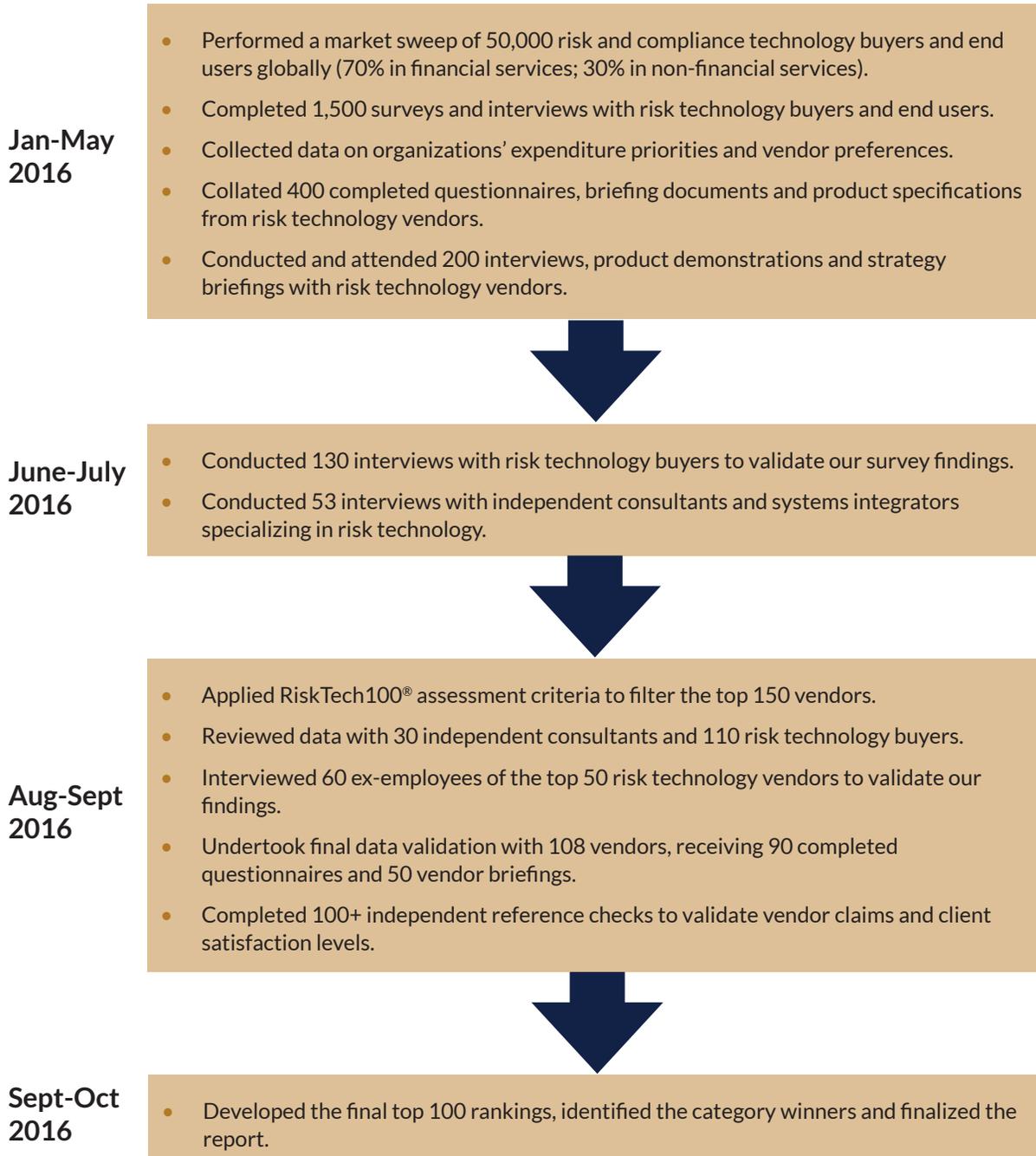


Source: Chartis Research

## Methodology

Chartis's RiskTech100® report is the most comprehensive study of its kind, and is a core element of our annual research cycle. The rankings in the report reflect our analysts' expert opinions, along with research into market trends, participants, expenditure patterns and best practices. We started collecting the data for this study in January 2016, and validated the analysis through several phases of independent verification.

**Figure 2: RiskTech100® research methodology**



Source: Chartis Research