

Aon Benfield

ReMetrica

Delivering your complete risk
and capital modelling experience

Risk. Reinsurance. Human Resources.

AON
Empower Results®

Discover Strength in Numbers

In a world of increasing commercial and regulatory pressures, the actuary's role is growing in importance. Aon Benfield's ReMetrica® risk and economic capital modelling tool enables actuaries to transform insurers' data to identify the optimal financial strategy and make important business decisions with confidence.

ReMetrica is designed to allow global insurers, reinsurers, consultants, captives and regulators to bring insightful, risk-based financial modelling to the forefront of strategic decision making.

Insurance and reinsurance professionals use ReMetrica for many different areas of decision making, including:

Reinsurance strategy	Reinsurance pricing	Capital allocation	Strategic business decisions	Business planning
Which reinsurance should I buy? How much should I retain?	What price should I pay for a particular product? How will this vary if the parameters change?	How profitable are my various business lines based on the cost of capital and risk?	Is my portfolio balanced? How can it be improved? Can I improve my investment strategy?	How can I grow the business without taking on too much risk?

Key Features

Unique functionality to enhance your ReMetrica experience:

- An easy-to-use graphical user interface, enabling models to be built efficiently and in a transparent manner without the need for specialist skills
- A comprehensive library of advanced insurance, reinsurance, investment, reporting and statistical components
- Built-in support for Microsoft Visual Basic Applications™ offering full flexibility for implementing custom model logic
- An embedded Excel interface, allowing for intuitive input and output management and seamless interaction with the model

Unparalleled User Support

When you choose ReMetrica, you receive customised training and support provided by our team of qualified experts. In addition to dedicated email and telephone support, users have access to a website which includes service packs, add-ins, technical papers and frequently asked questions. There are also annual conferences and workshops in the US, London and Tokyo for users to build their technical knowledge, network and discover ReMetrica's latest enhancements.

“Less time creating models
and more time making decisions.”

Simple
user
interface

Flexible
reporting

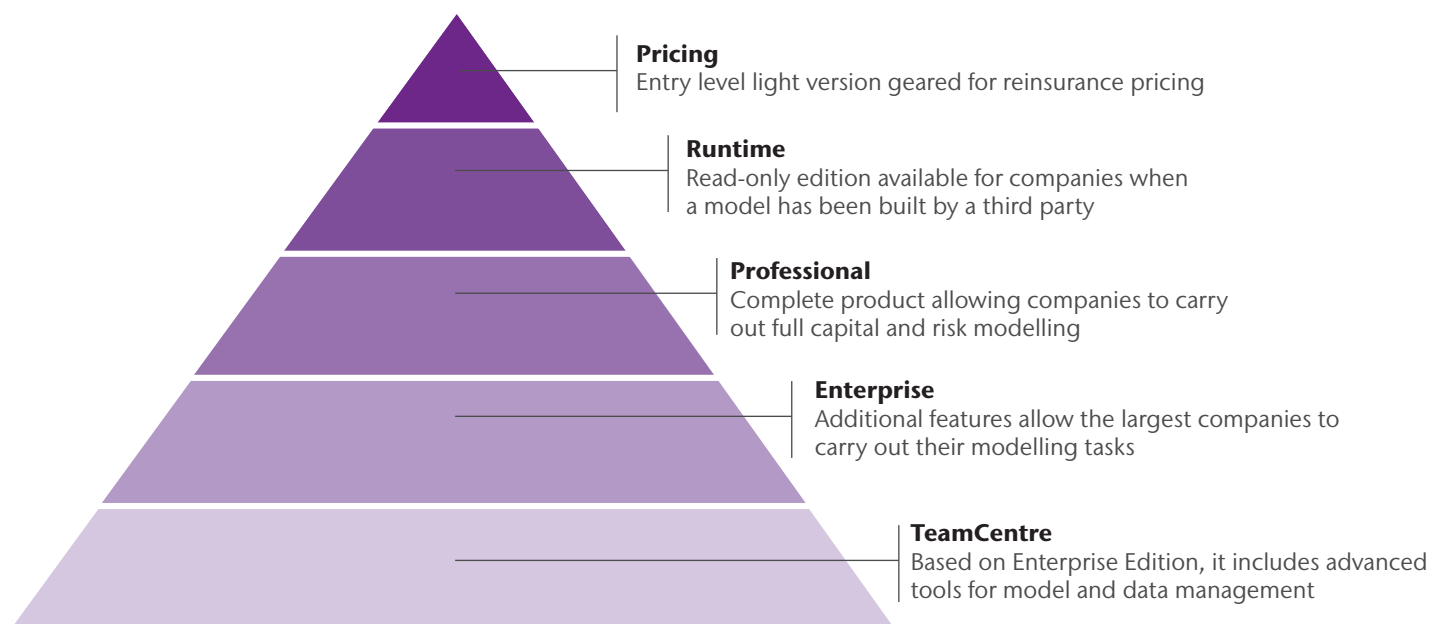
Complete
transparency

Component
library

ReMetrica

ReMetrica Editions

There are a number of levels to the ReMetrica product to suit the differing needs of our clients.



ReMetrica for Life, Health and Pensions

Life insurers, reinsurers and pension funds are being driven by regulations, rating agencies and shareholders to develop a stochastic view of their key risks rather than traditional scenario-based modelling.

In response, Aon Benfield has launched a suite of new components within ReMetrica to provide a fully stochastic framework that evaluates the key risks of long term products and their uncertainties, plus how these risks may be mitigated through reinsurance and capital markets solutions.

Holistic Solution

Aon Benfield has undertaken extensive development to bring the best of ReMetrica's stochastic modelling to its life, health and pensions clients. Its powerful modelling capabilities – which can also be set to deterministic mode – enable insurers to test a range of different strategies and scenarios for a variety of applications. It also provides a combined modelling solution for composite insurers.

Key Benefits

- **Effective evaluation of reinsurance structures:** Assessment of different reinsurance structures on a stochastic (notably for excess of loss) or deterministic basis.
- **Solvency II:** We augment clients' Solvency II infrastructure by using ReMetrica to model scenarios such as a blast at a sports stadium and to advise on reinsurance solutions that could reduce capital requirements.

- **Optimise capital requirements:** Models a comprehensive suite of life, health and pensions risks in order to optimise capital requirements.
- **Risk appetite:** Gain insight into the benefit of reinsurance with the ability to measure the volatility ceded. This will assist with work around risk appetite.
- **Stress testing functionalities:** Improve understanding of key risks and their sensitivities, including diversification benefits.
- **Transparency:** The model allows the user to follow and dissect inputs and outputs from any nominated scenario, as well as analysing simple interactions.

Life, Health and Pensions Modelling Enhancements

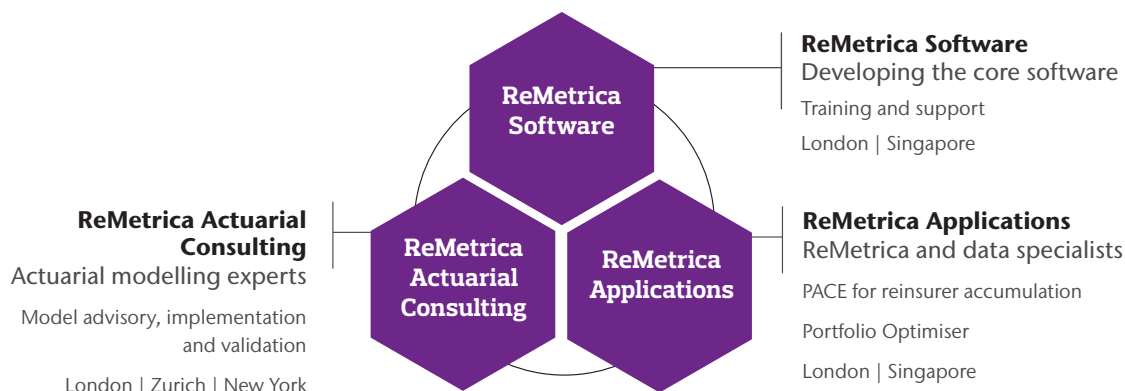
The 'multi-state' model concept for actuarial applications underpins the modelling for long term business and means that providers can map the journey of policyholders throughout their lives. Traditionally this has been used for health and disability but now ReMetrica can apply this to all lines of business including assurance and annuities.

ReMetrica provides an intuitive modelling framework familiar to the actuary, while providing more transparency, granularity of data and accurate modelling options, such as incorporating the changes in the risk of death after the occurrence of a disease. All this is achieved through user-friendly, purpose-built components that do not require any programming.

The ReMetrica Family

As commercial and regulatory demands continue to grow in scope and sophistication, customisable modelling solutions that can be integrated into wider enterprise systems are increasingly desirable.

Built around the core software, the ReMetrica family includes our Actuarial Consultancy and Applications teams. These teams consist of experienced market practitioners to help you achieve your modelling objectives.



ReMetrica Actuarial Consulting

Our team of actuarial consultants offers a full range of model advisory, implementation and validation services. Clients benefit from a broad knowledge of emerging market practices, regulatory requirements, modelling techniques and software implementation that deliver efficient and valuable modelling solutions.

ReMetrica's strong presence in the market also means that we are well placed to provide advice on all stages of the capital model evolution, based on our experience with a wide range of clients. Our unique market perspective ensures that each client receives the most appropriate advice and support along with a high level of quality assurance.

"Our consultants' wide market knowledge and depth of technical expertise will help you create the optimal modelling solution"

ReMetrica Applications

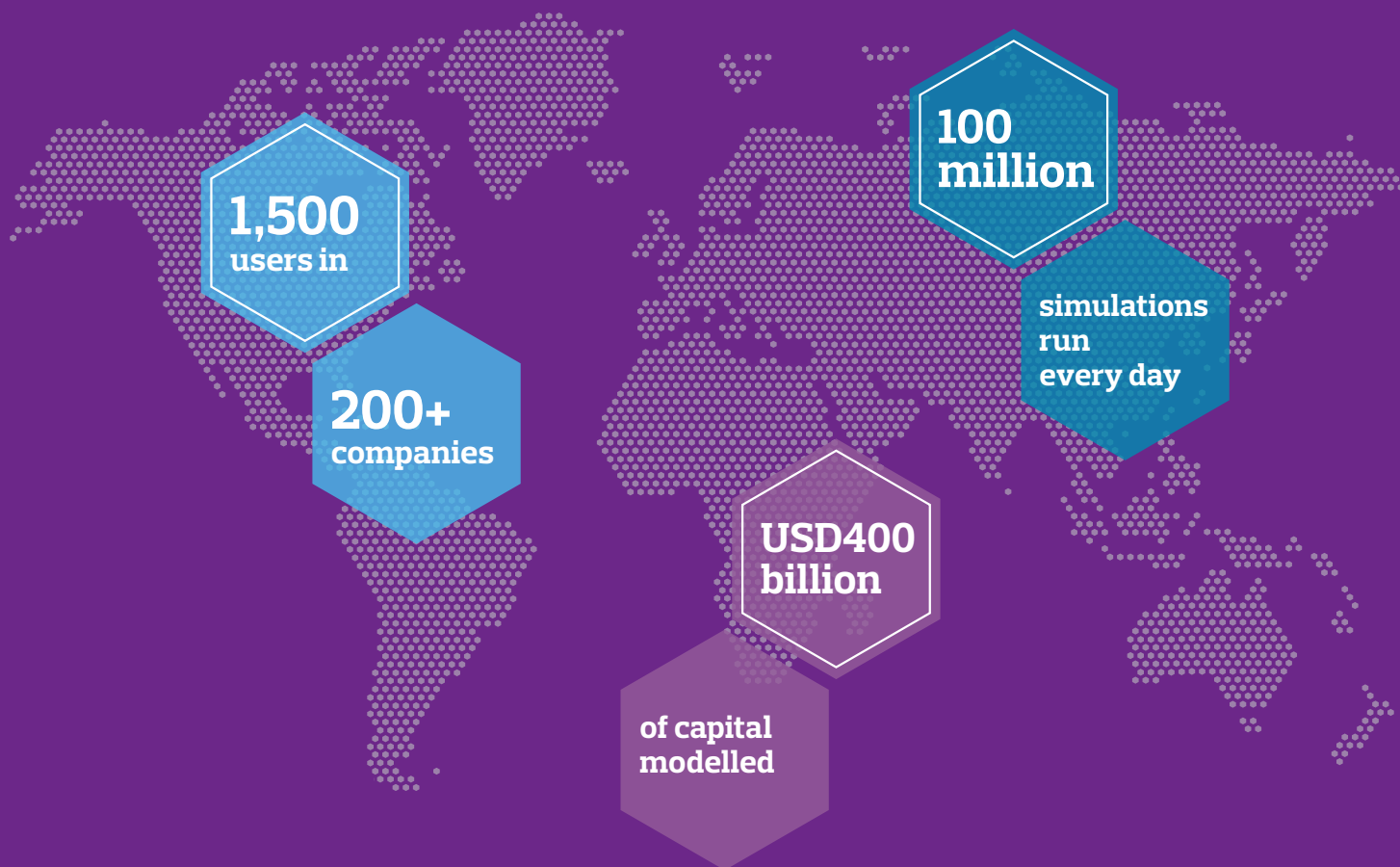
Our data experts and developers create specialist software based around the core ReMetrica product. Our solutions improve performance, productivity, capability and compliance through optimisation, integration, process automation and business application development.

ReMetrica's additional products and servers

ReMetrica in the Cloud	ReMetrica allows you to extend your current processing power by sending models to your own Virtual Private Cloud. ReMetrica in the Cloud uses the latest specification servers to build a processing grid on-demand for your model. This means you only pay for the processing power that is used.
PACE	Reinsurers look for opportunities to write new business while monitoring the aggregate catastrophe exposure across their portfolios. To help reinsurers make best use of their capital, PACE – Aon Benfield's catastrophe accumulation platform – enables reinsurers to understand the marginal impact of programmes and in turn offer competitive rates to insurers.
Portfolio Optimiser	The Portfolio Optimiser provides analysis into the optimisation of risk and return of a portfolio using conditional value at risk (CVaR) measure. Portfolio Optimiser links the optimisation problem modelled within ReMetrica and allows users to define any linear optimisation problem.
CRAFT	CRAFT (the Curve for Risk Analysis Fitting Tool) allows you to fit statistical distributions to sample data. Being oriented at risk analysis, CRAFT is designed to fit bounded datasets, and includes an array of tools for analysing the fitted distributions from a risk analysis point of view.
ASTRA	ASTRA is an Excel-based Solvency II Standard Formula tool, developed by Aon in response to the demand for a simple, easy to use and cost effective solution to completing the standard formula calculation. ASTRA allows non-life insurance companies to complete the full solvency capital requirements (SCR) calculation and can also aggregate life risk charges into the total SCR.

Contacts

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About Aon Benfield

Aon Benfield, a division of Aon plc (NYSE: AON), is the world's leading reinsurance intermediary and full-service capital advisor. We empower our clients to better understand, manage and transfer risk through innovative solutions and personalized access to all forms of global reinsurance capital across treaty, facultative and capital markets. As a trusted advocate, we deliver local reach to the world's markets, an unparalleled investment in innovative analytics, including catastrophe management, actuarial and rating agency

advisory. Through our professionals' expertise and experience, we advise clients in making optimal capital choices that will empower results and improve operational effectiveness for their business. With more than 80 offices in 50 countries, our worldwide client base has access to the broadest portfolio of integrated capital solutions and services. To learn how Aon Benfield helps empower results, please visit aonbenfield.com.

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