

5 min guide to...

Next generation asset and liability modelling for Life insurers

PathWise® allows businesses to harness high performance computing (HPC) to simultaneously model assets, liabilities and scenario generators for financial reporting, risk management, new product development and hedging activities.

So let's set the scene...

Life insurers need to successfully navigate today's world of rapidly changing regulatory and reporting requirements, while accessing the computational power necessary to model more accurate market-consistent risk calculations and better manage complex insurance products.

How can Aon help me navigate these challenges and seize the opportunities?

PathWise® is a cloud-enabled, scalable, and award winning* High Performance Computing enterprise risk management solution that allows companies to access next generation technology to rapidly solve today's key insurance challenges such as hedge strategy testing, regulatory and economic forecasting, and budgeting. Further, PathWise® can be used for valuation, pricing and hedging of all life insurance products including variable annuities.

What are the benefits for re/insurers?

1. Reduce the run-time of complex life insurance risk calculations from weeks to only a few hours by leveraging the full power of High Performance Computing. This allows business users to focus more on analysis and spend less time waiting for results. [SunLife case study](#)
2. Decrease costs by streamlining complex and error-prone processes through the power of a single integrated and automated enterprise business platform designed valuation, pricing, hedging and ALM, which includes scenario and report generation, and big data warehousing. [Standard Life case study](#)
3. Adapt rapidly to the latest regulatory and reporting requirements and shorten the cycle for new product development in a flexible and fully customizable enterprise risk management system.
4. Eliminate the need for inaccurate short cuts and assumptions, such as the use of model points and curve fitting, through unparalleled computational power and scalability.
5. Enhance risk management by examining all model logic and past revisions in a transparent and intuitive model repository environment.

How can you empower results?

Contact us to find out more

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Sounds good but what makes your tool different?

- Aon Benfield has a long and strong history working with the [world's largest video chip manufacturer](#) whose Graphical Processing Units (GPUs) are incorporated into PathWise to speed up the simulations.
- Integrated version control of models and scripts, 'future proof write once and target often' software that is ready for next generation hardware, eliminating the refactoring and parallelization nightmares of other systems.
- Big Data ready: easily handles the largest insurance portfolios and has been tested to load 100+ million policyholders in a single run.
- Ability to easily visualize and create intelligent workflow automation.
- Managed by Aon 24/7 with guaranteed availability and access for business users.

Did you know..?

PathWise® is being used to develop the [world's first IFRS17 implementation project for Kyobo Life](#).

The 100+ hours of resources SunLife needed to produce financial results has decreased to less than one day.

PathWise® is used globally by Life Insurers in North America, Asia, Africa and Europe.



*[HPC Innovation Excellence Award 2012](#)

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