



# Ortec Finance Cloud based High Performance Computing

Enabling pension and insurance companies to run fast stochastic calculations for ALM, SAA and Risk management.

Sophisticated models for Asset Liability Management (ALM), Strategic Asset Allocation (SAA) and Risk management calculate a multiple of thousands of stochastic scenarios. This requires strong calculation power to run an analysis within a reasonable time span.

Ortec Finance addresses this challenge by offering the GLASS and DSG software solution as a service in the cloud including High Performance Computing (HPC) techniques. The Ortec Finance Economic Scenario Generator (DSG) and asset and liability management software (GLASS) enable risk managers and investors at pension and insurance companies to enhance strategic risk management and investment decision-making.

## Key benefits of High Performance Computing (HPC):

- Reduce calculation time
- Free-up time to analyze the results and improve decision-making
- Faster delivery of your monthly or quarterly risk reporting
- High level of data-security
- Lower your IT capital expenditure

## The innovative HPC techniques enable organizations:

- To increase calculation speed by heavy scaling over many shared core processors
- To make efficient use of idle calculation power
- Automatic handling of multiple calculations to avoid the calculation server running out of memory

## Key benefits of Software as a Service in the Cloud

- Reliable: High availability and performance of the software in the cloud
- High quality hard- and software application management
- Automated daily backup to prevent data loss
- Disaster recovery management via database replication to a secondary data center

**Ortec Finance Cloud based High Performance Computing enable pension and insurance companies to run fast stochastic calculations for ALM, SAA and Risk management.**

## About Ortec Finance Economic Scenario Generator (DSG)

Ortec Finance offers stochastic economic and asset return scenarios, combined with extensive financial market guidance and a comprehensive software package (DSG), enabling risk managers and investors to manage the complexity of investment decision making.

Leveraging on a one-of-a-kind frequency domain methodology, our scenarios stand out by time-varying risk and return with superior out-of-sample performance across multiple economies and asset classes.

## About Ortec Finance Asset and liability management software (GLASS)

GLASS enables decision makers at pension, insurance and sovereign wealth companies to optimize the return from investment strategy for multiple horizon while taking into account the solvency framework, liabilities and defined market risk budgets. We leverage decades of institutional expertise by using broad, granular asset modeling and investment strategies & overlays, powered by our superior real-world scenarios.

## About Ortec Finance

Ortec Finance is the leading provider of technology and solutions for risk and return management. It is Ortec Finance's purpose to enable people to manage the complexity of investment decisions. We do this through delivering leading technologies and solutions for investment decision making to financial institutions around the world. Our strength lies in an effective combination of advanced models, innovative technology and in-depth market knowledge.

**Headquartered in Rotterdam, Ortec Finance has offices Amsterdam, London, Toronto, Zurich, Melbourne and in Hong Kong.**

- 20+ countries represented
- 500+ customers
- 96% retention rate
- 3 trillion euro total assets managed by our clients

**For more information,  
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