SOFTWARE
SURVEY 2009

A ALGORITHMICS

The Algo Risk risk management application, which brings together asset and liability projections within a market-consistent framework, has an enhanced user interface that lets users easily express and construct optimisation problems in business terms, including portfolio replications where assets are used to replicate liability cashflows over multiple scenarios and time horizons. The Algo OpVar operational risk management system now enables users to meet regulatory requirements via scheduled risk assessments, controls testing and issue tracking or analysis. The Algo FIRST operational risk events database now includes email alerts of new case studies that match criteria established through saved searches.

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Categories:
asset and liability modelling/actuarial calculations
scenario generation
asset valuation and analytics
portfolio management
risk management – market, credit, operational
compliance and statutory reporting

AQUILAHEYWOOD

Recent improvements to aquila administrator, the company's life and pensions administration system, and altair, a browser-based corporate and public sector pensions administration system, have focused on the user interface, annuities and group risk processes, administration process efficiency, workflow tools and web servicing. Features of the system include comprehensive compliance with regulatory requirements, including the electronic Government Interoperability Framework initiative, integrated workflow and electronic document management, and advanced self-service web capabilities for members and employers. The company plans to extend its support for self-invested personal pensions, add standard messaging for investment dealing and extend support for multi-currency dealing.

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Categories:
product design and administration
policy/account administration
sales and customer relationship management
process and document management
performance measurement and attribution
risk management
compliance and statutory reporting

B BARRIE & HIBBERT

The company's ESG stochastic modelling framework enables users to model economic and asset scenarios to improve understanding of financial market risk. Barrie & Hibbert recently launched a service to help clients design and communicate their products and meet requirements under the Financial Services Authority's Treating Customers Fairly regime. A variable annuity application helps users implement dynamic hedging strategies. A pension and annuity risk model integrates with ESG, and enables users to assess pension scheme risk for multiple defined benefit pension schemes at both an aggregate and individual level, with distributed processing and grid computing for high performance.

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product design and administration
asset and liability modelling/actuarial calculations
scenario generation
asset valuation and analytics
portfolio management
risk management – market, credit, liquidity
compliance and statutory reporting
accounting and embedded value reporting

C CCH SWORD

Last year the company added scenario management and enterprise scorecard modules to its CCH Sword operational risk management application. This year it plans to add a surveys module plus integration with other CCH applications, such as CCH TeamMate for audit management. The scenario management module allows users to create and manage risk scenarios and link them to other parts of a risk framework, such as losses, risks and issues. The enterprise scorecard module enables the creation of indicator statements or 'dashboards' at different levels, such as global and supplier. Predefined thresholds can be set for the calculation of red-amber-green scores.

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Categories:
scenario generation
risk management – operational, enterprise
compliance and statutory reporting
other – compliance management

CHARLES RIVER DEVELOPMENT

Version 8.2 of the Charles River Investment Management System – a multi-currency, cross-asset, front- and middle-office software suite – added derivatives instrument coverage and workflows, real-time market data integration, a new fixed income analytics engine and expanded foreign sovereign instrument coverage. Version 9, planned for this year, will have additional capabilities for execution management and algorithmic trading, including integrated market depth and slippage monitoring, integrated direct market access, extensive customisation options, and pre-, in- and post-trade transaction cost analysis. There will also be a new performance measurement and attribution module. The release will offer a complete service-oriented architecture, with desktop applications rewritten in C#.

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Categories:
asset and liability modelling/actuarial calculations
scenario generation
asset valuation and analytics
order management
portfolio management
performance measurement and attribution

risk management

compliance and statutory reporting

other – trading

CLUSTERSEVEN

Version 5 of ClusterSeven Enterprise Spreadsheet Manager (ESM) features drill-down dashboards for spreadsheet process control and business intelligence extracted from spreadsheets, and automated risk assessment based on server-side logic and content checking of spreadsheets. ClusterSeven Spreadsheet Integrity is a user-oriented version of ESM with server-side analysis for logic and content checks on spreadsheets, including potentially fraudulent content. ClusterSeven Scanner provides automated detection, analysis and reporting of spreadsheet and MS Access databases. ClusterSeven Access Database Manager features automated change management of MS Access databases, with sign-off for critical file changes, logic analysis for common errors, and ad hoc comparison of files.

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Categories:

risk management – operational

other – all categories where spreadsheets contribute to the process

COMPUTER SCIENCES CORPORATION

The company has made a number of enhancements to its GraphTalk A.I.A. – a life, pensions and general insurance administration application – including upgrading the contact management functionality for improved monitoring, scheduling and follow-up of actions linked to contacts. Performance of the system has been upgraded with improvements to the hierarchy of work queues and load balancing. Other insurance and pensions-related products offered by the company include VP/MS for product modelling and management, SICS for reinsurers and ceding insurers, Automated Work Distributor for business process management, 3r Evolution for customer relationship management, and LiFE for life and pensions administration application.

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Categories:

product design and administration

policy/account administration

sales and customer relationship management

process and document management

asset and liability modelling/actuarial calculations

asset valuation and analytics

order management

portfolio management

performance measurement and attribution

risk management – market, credit, financial, operational, enterprise, project, product

compliance and statutory reporting

accounting and embedded value reporting

other – re-insurance management, distribution and commission management

D DST INTERNATIONAL

DST offers a range of actuarial software built around its extensively parametrised calculation engine. Pension applications include retirement planning and aggregation, with support for a wide range of investment vehicles, and regulatory illustrations such as statutory money purchase illustrations, unsecured pension quotes and in-retirement reviews. Analytical tools include transfer and charges analysis. The software is web-enabled and integrates with both new and existing administration systems, and comes with a maintenance guarantee so that it is compliant within governing legislation. This year the company plans to add more functionality focusing on retirement decisions and the increased range of products now available.

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Categories:

asset and liability modelling/actuarial calculations

scenario generation

asset valuation and analytics

portfolio management

risk management – investment risk

compliance and statutory reporting

F FERMAT

Fermat Solvency II is built on Fermat's data management, calculation and reporting architecture, and includes an asset and liability management (ALM) engine offering multi-level parametrisation for compliance with the solvency capital requirement calculation standard formula. For full and partial internal models, features include client behaviour modelling, a total balance sheet approach, asset allocation strategies, profit sharing assumptions, income management, tax and dividend policies, and stochastic simulations. Other features include embedded calculation, actuarial and ALM studies, financial analysis, and income and business plan simulations. Planned enhancements include support for variable annuities, unit-linked products, non-life products, economic scenario generation and own funds management.

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Categories:

asset and liability modelling/actuarial calculations

scenario generation

asset valuation and analytics

portfolio management

performance measurement and attribution

risk management – all risk types defined in Solvency II

compliance and statutory reporting

accounting and embedded value reporting

other – specific provision and reserve management

FISERV IPS-SENDERO

Fiserv IPS-Sendero KRM integrates asset and liability, market, credit and liquidity risk management, enabling the modelling of correlations between risk factors and the evolution of risk factors through the economic cycle. Users can model rollovers of existing cashflows and new business flows to ensure pricing based on ratings is correctly applied, and liquidity is properly assessed according to customer creditworthiness determined by ratings profiles. Users can now incorporate agency credit ratings or use the various credit models available within KRM to generate default probabilities and then use these to compute dynamic cashflow migrations.

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Categories:

asset and liability modelling/actuarial calculations

scenario generation

asset valuation and analytics

portfolio management

performance measurement and attribution

risk management – credit, market, liquidity

compliance and statutory reporting

accounting and embedded value reporting

other – funds transfer pricing, economic capital allocation

FJA FEILMEIER UND JUNKER

Over the past year the company has implemented support for variable annuities and other products to its FJA Life Factory software suite for the illustration and administration of individual and group life insurance products, while also adding business services and technical enhancements as a means of simplifying the integration of the system in web-based and other customer environments. FJA has also responded to new regulatory requirements. The system's components cover the policy life cycle and include product definition, pension settlement and documentation, and commission management. Other features of the system include short implementation times and support for rapid product innovation.

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Categories:

product design and administration

policy/account administration

sales and customer relationship management

process and document management

asset and liability modelling/actuarial calculations

scenario generation

asset valuation and analytics

order management

portfolio management

risk management

compliance and statutory reporting

accounting and embedded value reporting

FRSGLOBAL

ReportingCentre is a suite of modules to help firms produce regulatory reports that meet local regulators' requirements in more than 30 countries. It supports statutory, statistical, prudential, transactional and global compliance rules reporting. RiskCentre enables firms to manage, measure and stress-test their risks. In August 2008 the company acquired Iris Integrated Risk Management and is incorporating its enterprise risk management and profitability technology as the RiskProfessional module of RiskCentre. Once integrated, users will be able to generate risk reports using data stored in FRSGlobal's DataFoundation repository.

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Categories:

process and document management

asset and liability modelling/actuarial calculations

scenario generation

asset valuation and analytics

portfolio management

performance measurement and attribution

risk management – operational, credit, liquidity, market, stress-testing

compliance and statutory reporting

accounting and embedded value reporting

other – funds transfer pricing

K KAMAKURA

Version 7 of the Kamakura Risk Manager enterprise-wide risk and performance management system features contingent liability and insurance contract models, including credit guarantees, credit insurance and political risk insurance. Other recent enhancements to the system include new synthetic collateralised debt obligation tranche models and improved portfolio dynamics modelling for multi-period simulations, including cashflow re-investment and refinancing. Performance has been enhanced with 64-bit technology, in-memory simulation of portfolio dynamics models and multi-threading of complex calculations. KRIS is a web-based service providing daily default probability term structure estimates from four default models, covering more than 18,000 listed corporations and 180 sovereigns.

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Categories:

product design and administration

asset and liability modelling/actuarial calculations

scenario generation

asset valuation and analytics

portfolio management

performance measurement and attribution

risk management – market, credit, liquidity, asset and liability management, insurance

compliance and statutory reporting

accounting and embedded value reporting

L LOMBARD RISK

Recent enhancements to the company's Colline web-based collateral management software application includes automated margin call management, whereby margin calls can be easily checked against predefined tolerances and configurable business rules, intelligent trade matching and reconciliation that enables reconciliation to be automatically scheduled to occur on a daily basis and emailed upon completion, and advanced straight-through processing enabling direct receipt of collateral bookings from other downstream applications. The company also provides the Oberon cross-asset trading and risk management system and the Firmament credit and equity derivatives trading and risk management system.

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Categories:

policy/account administration

asset and liability modelling/actuarial calculations

scenario generation

asset valuation and analytics

portfolio management

performance measurement and attribution

risk management – credit, collateral, operational

compliance and statutory reporting

accounting and embedded value reporting

Ⓜ METHODWARE

Enterprise Risk Assessor (ERA) is a scalable and flexible application for integrating all common governance, risk and compliance data elements in a central repository, and enabling risk and control assessments, loss event tracking, audit testing and documentation as well as other key governance, risk and compliance functions. The company has made it easier for users to be able to modify the structures, methodology and terminology of the application to fit current and future risk needs, and plans this year to release a browser-based dashboard and an updated external reporting interface with high-quality consolidated executive reporting.

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Categories:
process and document management
risk management – operational
compliance and statutory reporting

MSCI BARRA

MSCI's multi-factor risk models are available via the BarraOne web-based multi-asset class risk management platform, Barra Aegis System portfolio construction application or the Barra Models Direct online service. Over the past year the company added Monte Carlo simulation value-at-risk and VaR backtesting, multi-asset class performance attribution and dynamic currency hedging to BarraOne; released a new version of the optimisation engine in Barra Aegis System that enables users to define more advanced constraint types for long-short portfolios; and expanded coverage of local-currency denominated instruments in emerging markets and over-the-counter derivatives and other fixed income instruments in Barra Models Direct.

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Categories:
scenario generation
asset valuation and analytics
portfolio management
performance measurement and attribution
risk management – market
compliance and statutory reporting

Ⓝ NUMERIX

NumeriX Portfolio is a front-office trade capture and portfolio management tool with extensive model and calibration options for the structuring, pricing and risk management of derivatives and structured products. It will run on computer grids and is suitable for monitoring hedging portfolios. Recent insurance-related enhancements include support for variable annuity hedging portfolios, performance attribution analysis, scenario analysis, hybrid deal types such as reinsurance deals, and credit-adjusted valuations. NumeriX in Excel is a cross-asset application for designing, structuring, pricing and monitoring hedge positions, portfolios and strategies. NumeriX Bloomberg Edition uses Bloomberg data and supports straight-through workflow for exotic derivatives and structured products.

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Categories:
asset and liability modelling/actuarial calculations
scenario generation
asset valuation and analytics
portfolio management
performance measurement and attribution
risk management – market, credit
other – model validation

Ⓞ OPENLINK FINANCIAL

Recent enhancements to the Findur trading and risk management platform include the addition of the Visual Trade Process Management module for construction and end-to-end monitoring of business process work flows including graphical representations of trading states, operational activities and exception and auditing triggers. Asset class coverage with standard valuation models and risk analytics now include equity-related

instruments such as volatility and correlation derivatives, inflation-linked bonds, swaps and options. Credit risk management has been expanded with additional credit risk measures and enhanced credit derivatives coverage, including contingent credit default swaps. The firm has also added support for investment performance attribution reporting.

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process and document management
scenario generation
asset valuation and analytics
order management
portfolio management
performance measurement and attribution
risk management – market, credit, limits, operational
compliance and statutory reporting
accounting and embedded value reporting
other – collateral management and reporting

ORACLE

In September 2008 Oracle launched the Oracle Insurance business unit as a focus for its comprehensive insurance software suite. Applications include policy administration and document management systems from recently acquired AdminServer and Skywire Software – both major insurance industry suppliers. Other applications include pensions and life insurance policy administration, rating and underwriting, claims handling, document automation, enterprise resource planning, risk management, and asset and liability management. Marketing and analytics, customer relationship management, human resources and accounting are covered by Siebel and PeopleSoft applications. Operational risk management is covered by the Reveleus application.

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Categories:

product design and administration

policy/account administration

sales and customer relationship management

process and document management

asset and liability modelling/actuarial calculations

scenario generation

asset valuation and analytics

risk management

compliance and statutory reporting – US only

accounting and embedded value reporting

claims management

P PRINCETON FINANCIAL SYSTEMS

The PAM suite of portfolio management and accounting systems support a wide variety of instrument types and adapt to changing accounting and regulatory requirements. The MIG21 investment compliance and risk monitoring application optimises pre- and post-trade compliance checking, and the administration of legal, prospectus and internal investment guidelines along with the consequent resolution work flows. DVS Fund Warehouse is a platform for data management, reporting and analysis. The company has recently enhanced the handling of credit default swaps, total return swaps and other derivative products. It now plans to extend this to swaptions, options on futures, contracts for differences, inflation-linked bonds and equities.

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Categories:

asset valuation and analytics

order management

portfolio management

performance measurement and attribution

risk management – investment portfolio risk

compliance and statutory reporting

accounting and embedded value reporting

other – data warehouse, portfolio reporting, portfolio reconciliation

PRINCIPIA PARTNERS

The firm's Structured Finance Platform for the management and administration of structured finance portfolios enables the streamlining of operational control of complex cashflows linked to structured assets, along with their associated derivatives for asset life-cycle management. The system can aid risk oversight of portfolios regardless of where they are held. It supports a wide range of assets and associated hedges on a single platform and integrates ongoing asset surveillance, regulatory requirements and work-flow control through the use of standard compliance reports and accounting. Users are able to consolidate group asset positions and monitor exposures, and can also analyse deal and portfolio information in order to meet internal compliance and other requirements.

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Categories:

asset and liability modelling/actuarial calculations

scenario generation

asset valuation and analytics

order management

portfolio management

performance measurement and attribution

risk management – market, portfolio, compliance

compliance and statutory reporting

accounting and embedded value reporting

Q QUADRANT RISK MANAGEMENT (INTERNATIONAL)

Recent developments to the company's S2 enterprise risk and capital adequacy system for insurance and Solvency II focused on sub-models, and these now include diversification, customer value enhancement and profitability. S2 is a comprehensive data engine designed to sit on any data warehouse and to provide comprehensive and best-practice data management. Quadrant will help companies determine and implement their roadmap to Solvency II, identifying objectives, performing detailed gap analysis and quantifying the value of milestones. The company assists with implementation, tailoring pre-built models to evaluate and manage relevant risks, and provide transparency and indicators in order to maximise business performance.

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sales and customer relationship management

process and document management

scenario generation

asset valuation and analytics

portfolio management

performance measurement and attribution

risk management

compliance and statutory reporting

accounting and embedded value reporting

other – portfolio correlations

QUARTET FINANCIAL SYSTEMS

ActivePivot is an object-based real-time online analytical processing engine that allows users to create their own views, reports and blotters within Excel spreadsheets or other applications. Its memory management capabilities allow large amounts of information to be analysed quickly. It will integrate directly into a flow of transactions without the creation of a data warehouse. ActiveStream is a software component for creating and managing financial products through their life cycle with full audit trail. It can help avoid cancelling and then re-booking trades when trade modifications are necessary.

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Categories:

sales and customer relationship management

asset valuation and analytics

performance measurement and attribution

risk management – market, credit

accounting and embedded value reporting

R RISK INTEGRATED SERVICES

The Specialized Finance System provides risk quantification, reporting and management for specialised finance asset portfolios such as commercial real estate and project finance. It can be used for structuring new assets and reporting on portfolios as a whole, including automatic stress-

test reports. Underlying models use cashflow simulation and cover assets in all countries. The system is web-based and is also available as a monthly software service. This year the company plans to add support for credit derivatives, as well as market risk metrics such as performance relative to benchmarks, portfolio liquidity analysis and a counterparty database.

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Categories:
process and document management
asset and liability modelling/actuarial calculations
scenario generation
asset valuation and analytics
portfolio management
performance measurement and attribution
risk management – credit, market
compliance and statutory reporting

RISK MANAGEMENT SOLUTIONS

The firm provides risk management services and software for the stochastic modelling of catastrophe, health and mortality risks. Catastrophe models cover a range of perils, including earthquake, hurricane, windstorm and flooding, across a range of territories. The company has developed loss models for an influenza pandemic and other major emerging infectious diseases for life and health insurers, alongside tools for modelling mortality risk on an individual basis for the pensions industry. Risk Management Solutions is also developing a geroscience-based longevity risk model. This will have a forward perspective on mortality risk, in contrast with the traditional actuarial approach.

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Categories:
actuarial services/modelling

RISKMETRICS GROUP

RiskManager is a web-based risk application that computes and reports various types of exposure statistics, sensitivities, value-at-risk and stress-testing statistics for portfolios of complex financial instruments. It can provide total plan exposure down to the security level and specified by category – such as asset class, country, region and sector – measured on an absolute basis relative to any benchmark, such as a standard or custom benchmark index. The company is currently adding a liability replication model for insurance and is integrating its CreditManager credit risk analytics into RiskManager to offer consistent market and credit risk information.

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Categories:
asset and liability modelling/actuarial calculations
scenario generation
asset valuation and analytics
portfolio management
risk management – market, credit risk

Ⓢ SAVVYSOFT

To its Tops range of pricing models for derivatives structures, the company has added a stochastic volatility model recombining trees with automatic calibration, an auction rate security pricing model and a collateralised debt obligation tranche pricing model. To its Stars Risk cross-asset multi-currency portfolio management and risk system, the company has added asset and liability management with optimisation, rebalancing and efficient frontier generation, and counterparty credit risk calculations. To its Calc4Web application for generating working C/C++ code from spreadsheet models, the firm has included automatic generation of grid-enabled routines, and a facility that detects and skips calculations performed on prior function calls.

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Categories:
asset and liability modelling/actuarial calculations
scenario generation

asset valuation and analytics
portfolio management
performance measurement and attribution
risk management – market, credit
compliance and statutory reporting
accounting and embedded-value reporting

SECONDFLOOR

Using its expertise and in-house technologies, SecondFloor develops and implements customised flexible risk applications that will integrate disparate data sources and risk calculation models and provide extensive reporting capabilities. Reporting processes are auditable and ensure verifiable reliable and compliant risk calculations. Projects include data collection and management as well as reporting for replicating portfolio-based risk and capital calculation systems for major European insurers. The company also develops and implements applications for risk diversification and simulation while offering front-end applications for process control and reporting, and a calculations platform.

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product design and administration
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sales and customer relationship management
process and document management
asset and liability modelling/actuarial calculations
scenario generation
asset valuation and analytics
portfolio management
performance measurement and attribution
risk management
compliance and statutory reporting
accounting and embedded value reporting

SOLVEXIA

The company's web-based hosted services provide actuarial modelling, replicating portfolios, sophisticated asset modelling, process automation, audit controls, and a risk dashboard and risk aggregator. The services support economic capital calculation, liability-driven investing, portfolio

optimisation, and other insurance and pensions tasks. The services enable users to add access controls, security, process automation and audit controls to existing modelling systems. Access is via a browser and performance is supported by extensive cloud computing resources. Proprietary multi-dimensional data objects make it easy to link steps, combine output from multiple actuarial projection systems and report results across all levels of an organisation.

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asset and liability modelling/actuarial calculations
scenario generation
asset valuation and analytics
performance measurement and attribution
risk management – market
compliance and statutory reporting
accounting and embedded-value reporting
other – actuarial outsourcing, economic capital calculation, risk integration

SUNGARD

SunGard's iWorks applications and services for insurance and pensions include front-office tools, policy administration, re-insurance management, actuarial calculations, financial and investment accounting, and reporting. iWorks Compass for managing pension and savings, life, disability, death and health business has enhanced commission processing, payroll billing and collection reconciliation, together with expanded support for umbrella policies. The company plans to add business intelligence and analytic capabilities to its iWorks Enterprise Incentive Management distribution and compensation management application. To its Asset Arena system for portfolio management it will add performance measurement, investment accounting, compliance, reconciliation and exceptions. The company has also added an online reporting and client communication tool.

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product design and administration
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process and document management
asset and liability modelling/actuarial calculations
scenario generation
asset valuation and analytics
order management
portfolio management
performance measurement and attribution
risk management – market, operational
compliance and statutory reporting
accounting and embedded value reporting

T TOWERS PERRIN

MoSes is a desktop actuarial and financial modelling application for life insurance, pensions and health insurance. Functions of the application include valuation, embedded value, product pricing, profit testing, solvency reserve calculations, economic capital, statutory reporting, risk management, asset and liability modelling, and corporate modelling. Towers Perrin recently added new European asset and liability models for France, Germany, Italy and Spain. The company also developed RiskAgility – an enterprise financial modelling platform built on a Microsoft's enterprise technology platform. This platform has a common management environment that enables centralisation and execution of both RiskAgility applications and other financial modelling application such as MoSes.

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Categories:
asset and liability modelling/actuarial calculations
scenario generation
asset valuation and analytics
portfolio management
risk management – insurance, market, credit
compliance and statutory reporting
accounting and embedded value reporting
other – economic capital

U UBS

UBS Delta is a hosted portfolio and risk management system covering fixed income, equities and commodities. Reporting tools provide exposure, actuarial, risk, performance and statutory reporting in flexible file formats. Optimisation tools support liability-driven investment hedging, including a wide range of derivative overlays and cashflow modelling of individual assets. Functions that have been recently added include historical value-at-risk and support for UK and European asset-backed securities modelling, equity index futures and user-defined credit default swaps. This year the company is planning a full revaluation scenario analysis, Monte Carlo risk and detailed cross-asset return attribution, including equity and inflation factors alongside interest rate, spread and carry.

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Categories:
asset and liability modelling/actuarial calculations
scenario generation
asset valuation and analytics
portfolio management
performance measurement and attribution
risk management – market, credit
compliance and statutory reporting on a bespoke basis
other – hedge calculation, market intelligence, credit risk aggregation, exposure monitoring

V VERTEX DATA SCIENCES

The company's Lamda system and third-party service support the administration of a wide range of life and pensions products, both open and closed to new business. Types of business covered include protection, multiple-risk benefits, term assurance, pensions term assurance, critical illness, income protection, waiver of premium, family income benefit, and accident, sickness and unemployment benefit. Lamda provides straight-through processing of new business and, for protection business, the company has integrated an underwriting rules engine for automatic risk assessment. It has also added

support for a series of alternatively secured pensions, which the company launched on behalf of clients.

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Categories:

product design and administration

policy/account administration

process and document management

asset and liability modelling/actuarial calculations

portfolio management

risk management – underwriting

compliance and statutory reporting

accounting and embedded value reporting

VITECH SYSTEMS GROUP

To its V3 Benefits Administration System for pension and health plan administration the company has added Web 2.0 external component integration for managing customer interaction via chat and discussion groups, internet telephony and other web-based mechanisms. V3 functionality includes demographic maintenance, employer reporting, contributions accounting, benefits enrolment and eligibility determination, premium billing, retirement processing and health claims adjudication. Vitech Systems Group has also updated the user interface of its Equitrak system for hedge fund, private equity and alternative investment administration to improve application navigation and usability. Equitrak covers processes from deal-flow management, complex investor and investment administration to capital accounting.

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Web: www.vitechinc.com

Categories:

product design and administration

policy/account administration

sales and customer relationship management

process and document management

asset and liability modelling/actuarial calculations

scenario generation

portfolio management

performance measurement and attribution

compliance and statutory reporting

accounting and embedded value reporting

W WATSON WYATT

The company's replicating portfolio tool enables insurers to derive replicating portfolios for insurance liabilities that can then be used in a wide range of applications. Such applications include economic and risk-based capital, performance measurement, risk dashboards, financial risk and management information, balance sheet projection, and actuarial model performance improvement. VIPitech is a financial modelling and actuarial analysis tool. It supports asset and liability management, stochastic calculations, risk-based modelling, risk and capital management (including economic capital and Solvency II), market-consistent embedded value, European embedded value, profit testing, product design, product pricing and business planning.

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Categories:

product design and administration

asset and liability modelling/actuarial calculations

scenario generation

asset valuation and analytics

portfolio management

performance measurement and attribution

risk management

compliance and statutory reporting

accounting and embedded value reporting

other – economic and risk-based capital

WILSHIRE ASSOCIATES

Version 14.0 of the Wilshire Axiom global fixed income analytics, performance attribution, risk management and portfolio optimisation system includes a Monte Carlo risk module and global credit risk model, as well as A.M. Best insurance regulatory reporting. Features added to the Wilshire iQuantum integrated performance measurement, attribution and risk management application include the measure of relative risk and performance of transaction-based portfolios and accounts. Version 11.0 of the Wilshire Atlas tools for managing global equity portfolios includes standard attribution and risk analysis reports, an improved portfolio optimisation module and a Microsoft Excel plug-in tool that will give direct access to core functions.

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Categories:

scenario generation

asset valuation and analytics

portfolio management

performance measurement and attribution

risk management – market

compliance and statutory reporting

X XAFINITY CLAYBROOK

The firm has enhanced the analysis and reconciliation functionality of its DataSure data assessment, monitoring and cleansing application while developing a visual dashboard to help users working across multiple schemes in order to be able to identify peaks and troughs in workload. Xafinity Claybrook is also expanding the scope of the actuarial services covered by its SuperVal product to include analysis of surplus, liability driven investment, asset liability modelling and scenario modelling. Compendia is a web-based pensions administration and pensioner payroll application covering defined benefit, defined contribution, career average revalued earnings and hybrid schemes. It features work flow-driven automation together with web access for the members and trustees.

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Categories:

policy/account administration

process and document management

asset and liability modelling/actuarial calculations

asset valuation and analytics

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