

IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

28, 29 et 30 août
IBM Client Center Paris



SAN10P1

Transformez vos opportunités en succès



IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

IBM Algorithmics – Buy Side

Fayçal HADDAD

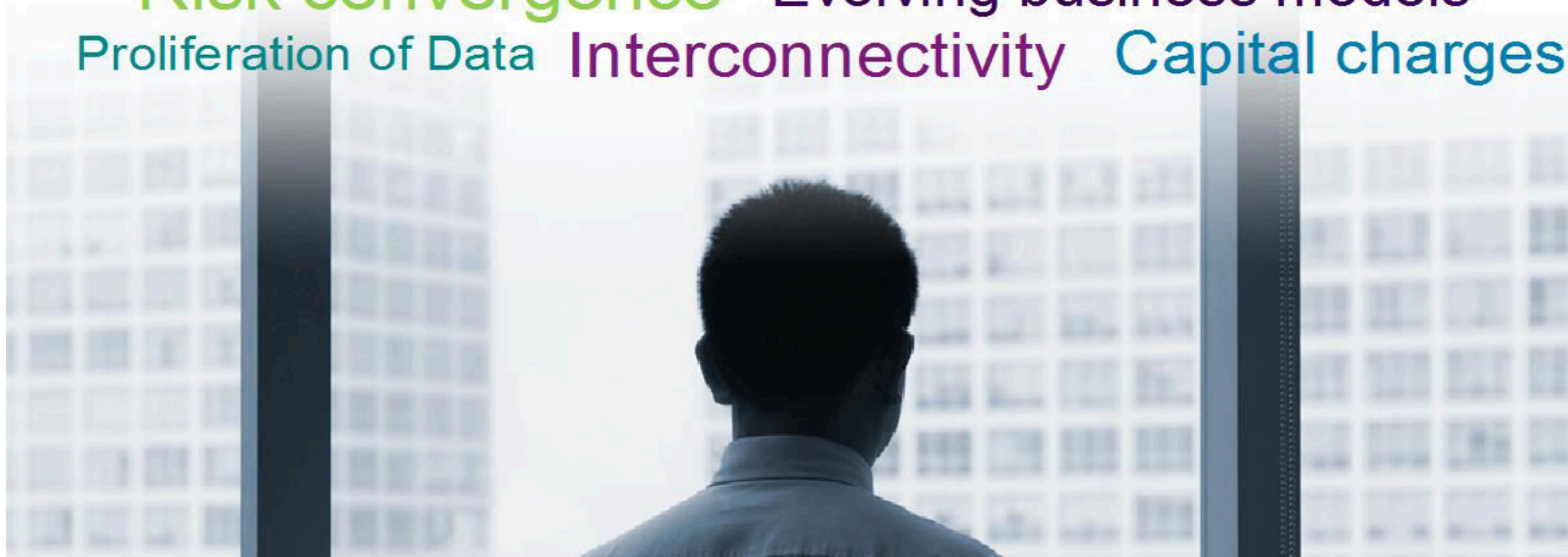
Technical Sales and Solutions

IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

Dramatic changes across the financial services and other industries require **new approaches** to help maximize profitability and returns

Increased regulatory oversight Rogue trading
New market entrants Risk information silos
Fierce competition Liquidity Evolving exposures
Risk convergence Evolving business models
Proliferation of Data Interconnectivity Capital charges



IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

Firms are looking beyond regulatory readiness to achieve real **business benefits**, using risk intelligence as an **engine of performance**



Firms are looking to:

- **Improve decision making** by providing risk insight and transparency to decisions at the point of impact
- **Increase returns and optimize capital** by investing in the right opportunities
- **Reduce** the cost of compliance
- **Accelerate and streamline risk processes** to reduce cost and operational risk and transform our clients' customer business
- **Dynamically evolve** as risk practices and regulations change

IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

IBM Risk Analytics solutions support the risk aware enterprise: From **regulatory readiness** to **risk aware decision making**

Sell Side (Banks and Financial Markets)

- Strategic business planning
- Integrated market and credit risk, incl. CVA and counterparty credit risk
- Credit lifecycle management
- Operational risk management
- Collateral management
- Balance sheet risk management
 - ALM & liquidity risk
 - Regulatory & economic capital

Buy Side (Insurance, Asset Managers and Servicers)


- Portfolio construction and risk management for investment portfolios
- Economic Capital, enterprise risk management & Solvency II
- Actuarial and financial modeling
- Investment design for wealth management
- Operational risk management

Cross Industry

- Governance and IT risk
- Operational risk management
- Loss event case studies & database
- Policy and compliance management
- Financial controls management
- Internal Audit



28, 29 et 30 août - IBM Client Center Paris

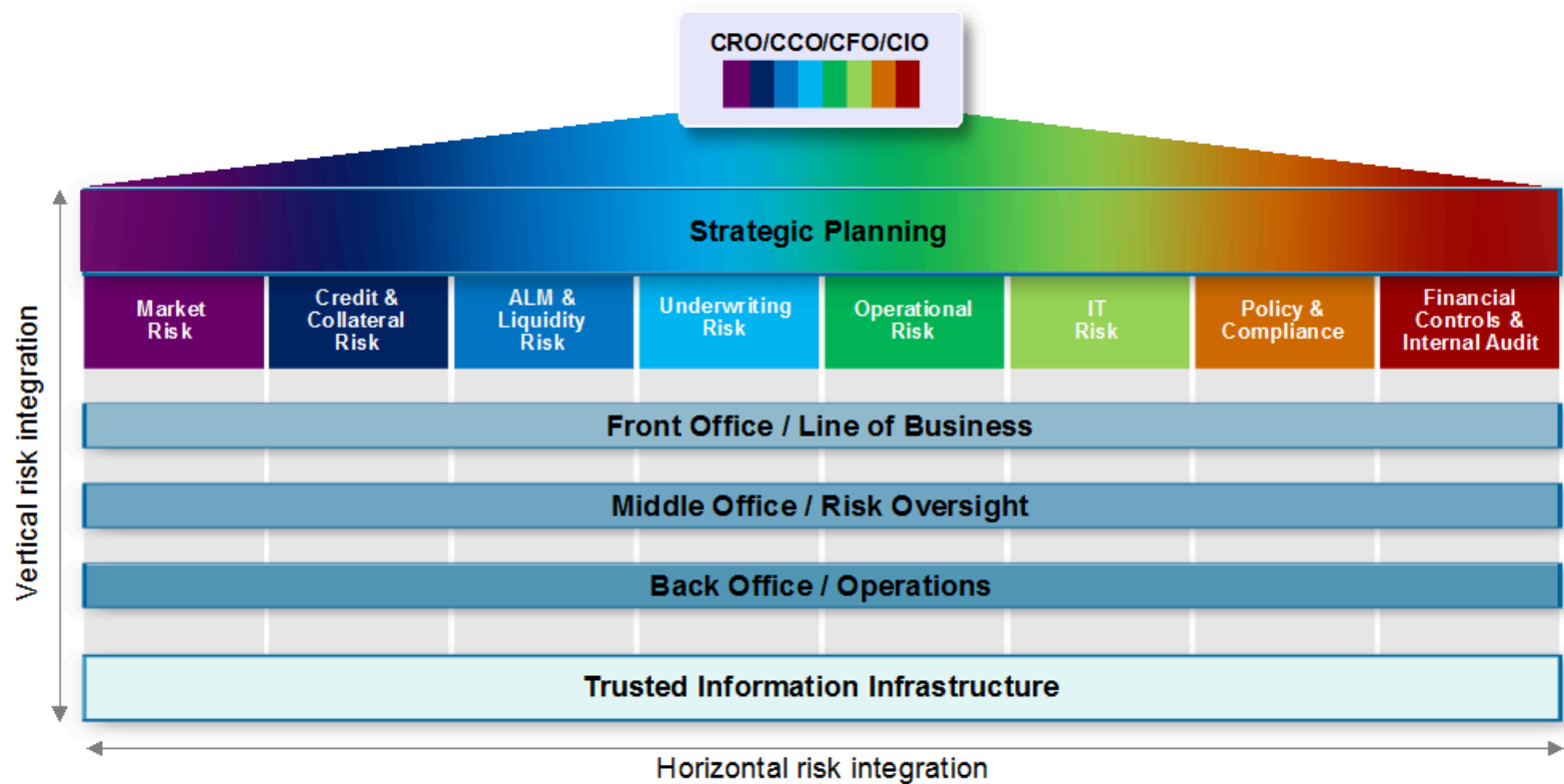
 #solconnect13



IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

To unlock the potential of the risk aware enterprise, horizontal and vertical risk integration is required



IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

IBM Algorithmics software

IBM Algorithmics software enables financial institutions and corporate treasuries from all around the world to make **risk-aware business decisions**. IBM Algorithmics' **analytics and advisory services** assist firms in taking steps towards maximizing shareholder value and meeting regulatory requirements.

Supported by a **global team of risk experts** based in all major financial centers, IBM Algorithmics offers award-winning solutions for market, credit and liquidity risk, as well as collateral and capital management.

IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

IBM Risk Analytics: A recognized market leader in risk



Chartis Research RiskTech100 Rankings 2012

IBM ranked in first place for the second year running in the annual RiskTech100 ranking of risk technology vendors worldwide. IBM also won the Functionality, Innovation, Market Presence, OpRisk/GRC and Insurance categories.



Risk Magazine Technology Rankings 2012

Overall winner for enterprise-wide risk management and enterprise-wide operational risk; category wins for market risk, risk dashboards, Basel III compliance and operational risk capital calculation and operational risk control & self assessment, KRIs & internal loss management.



Asia Risk Technology Rankings 2012

Top vendor for Market Risk, Enterprise-wide risk, Regulatory capital calculation, Collateral management.



Buy-Side Technology Awards 2012

Best Buy-Side Risk Initiative – IBM won for SCR market risk.



Operational Risk & Regulation Software Rankings 2012

IBM ranked 1st in 2012. Algorithmics had topped the rankings for the previous three years.



Basel III Technology Solutions 2012

Enterprise Collateral Management 2012

IBM positioned in the leaders quadrant in both reports.



Life & Pensions Awards 2012 Best Solvency II Software

IBM Risk Analytics recognized for 3rd year running

IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

Financial services focus

▪ **Banking**

IBM Algorithmics offers risk solutions for the banking industry that support more informed decision making and greater returns in ever more complex global markets with increased focus on the regulatory landscape

▪ **Insurance**

With support for economic capital calculations, replicating portfolios, Solvency II, and daily analytics, IBM Algorithmics offers insurers reliable solutions that address key industry challenges

▪ **Asset Management**

IBM Algorithmics supports the investment process with integrated solutions for portfolio management and risk oversight for equity markets to fixed income, cash management and alternative asset classes

▪ **Hedge Funds**

IBM Algorithmics' solutions for hedge funds help enable firms to increase investment revenue and adapt to evolving business needs through advanced portfolio and risk analytics for derivatives and other markets

▪ **Pension Funds**

Through its support for liability-driven investment strategies, IBM Algorithmics' solutions for pension funds enable firms to help maximize risk-adjusted performance or minimize the required capital

IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

Risk specialists

- **ALM and Liquidity Risk**

IBM Algorithmics' ALM & liquidity risk solutions offer balance sheet professionals a simulation-based framework to handle sophisticated products, address regulatory requirements, and support advanced calculations such as stochastic scenarios

- **Capital Management**

IBM Algorithmics' series of building block products and solutions help firms progressively address Basel II compliance, capital management, and best-practice risk management

- **Collateral Management**

IBM Algorithmics' collateral management solutions help provide timely access to accurate, collateral-related data; reduce operational risk; and increase business opportunities

- **Credit Risk**

Delivering real-time access to accurate, integrated credit data, IBM Algorithmics credit solutions help enable financial institutions to meet regulatory expectations, enhance decision making, and maximize financial performance.

- **Market Risk**

Connecting the front and middle offices, IBM Algorithmics' market risk solutions provide institutions with a scalable, integrated risk platform to measure, manage, and helps control capital market exposures across asset and liability functions.

- ~~Operational Risk~~ — **OPEN PAGES SOLUTION**

~~Combining web-based tools with software, advisory and external content, IBM Algorithmics' operational risk solutions offer one of the industry's only fully integrated approach to the identification, management, and measurement of operational risk.~~



IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

IBM Algorithmics' breadth of solutions

Sell-side solutions

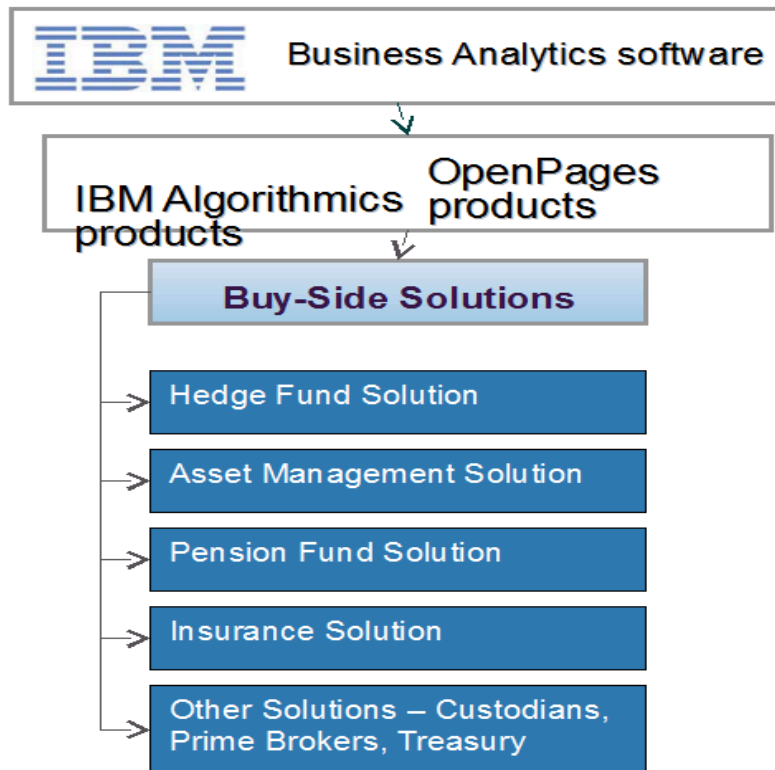
- Credit Lifecycle Management
- Counterparty Credit Risk for Treasury and Capital Markets
- Balance Sheet Risk Management
- Analytics for Market Risk and Credit Risk
- Collateral Management
- Credit Risk for Economic Capital
- Credit Regulatory Capital Management for Banks



IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

IBM Algorithmics Buy-Side Solutions at a glance



- Algorithmics founded in 1989
- Acquired by IBM in 2011
- Over 430,000 employees worldwide
- Head office in Armonk, US

IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

Supporting the buy-side across verticals

Focused solution for the buy side in 2004 – IBM Algo Risk Service launched in 2006

Clients span multiple buy-side verticals, sample clients include:

- Asset manager, pension funds and hedge funds
- Many service provider clients including: Scotia Capital

Recent buy-side recognitions:

- *Buy Side Technology Awards*, Best Buy-Side Risk Management Initiative 2012
- *Insurance Risk Awards*, Best Solvency II Software 2012



IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

Algo Financial Modeler

- State-of-the-art actuarial and financial modelling projection system, used primarily in the global life insurance sector. The product is designed to enable a broad spectrum of complex actuarial and financial analysis such as asset-liability modelling and stochastic modelling, risk and capital calculations, product development, pricing and more.
- **Key benefits**
 - Helps enable insurers to gain **valuable insights** into their business through its operation as a management information and financial forecasting tool
 - **Advanced actuarial modeling** to undertake the full spectrum of global actuarial calculations
 - Supports **regulatory compliance** including Solvency II and other regimes
 - Critical decision support enables **more effective, risk-informed business strategies**.
 - Helps **reduce actuarial costs** and optimize ease of use with swift implementation and processing speeds.

IBM SolutionsConnect 2013

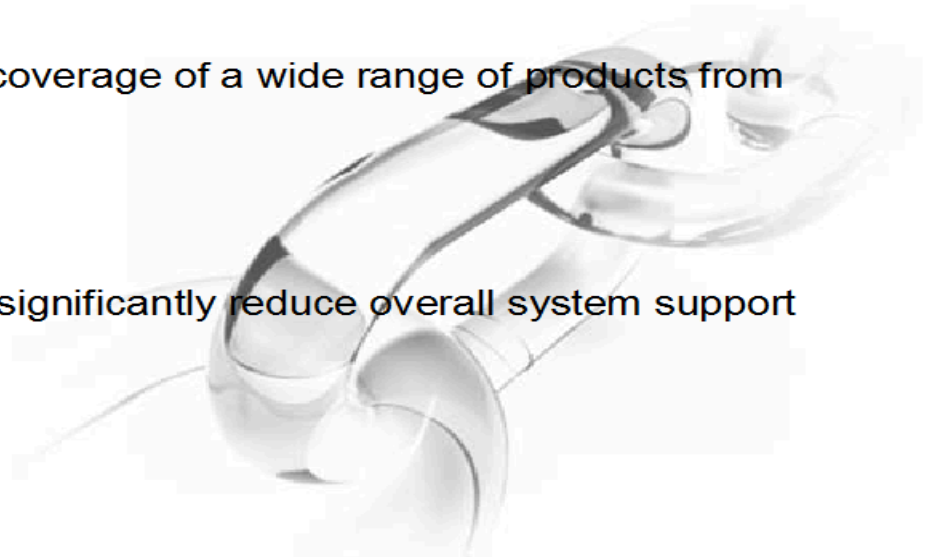
L'IBM TechSoftware nouvelle génération

Algo Risk

- Integrated decision support tool that offers risk managers, portfolio managers and traders real-time portfolio analytics for risk-informed investment decision making. It offers a Web-based risk reporting interface, and helps integrate the front and middle office by combining desk-level decision support with enterprise-wide risk management capabilities.

Key features

- Robust, scalable analytic engine enables coverage of a wide range of products from diverse markets.
- Customizable Web-based interface
- Adaptable, collaborative decision support
- Swift, cost-effective implementation helps significantly reduce overall system support costs.



IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

Algo Risk Service

- Customisable, hosted risk service for portfolio construction, risk management and reporting
 - Offers hedge funds, asset managers, pension funds and other buy-side organizations access to an award-winning web-based portfolio construction, risk management and reporting service without the costs or challenges of an in-house deployment. It provides a wide variety of simulation-based risk analytics that enable portfolio managers, traders, risk managers and senior officers to take a proactive approach to risk oversight and decision making.
- **Key features**
 - Risk-informed decision support
 - Customisation and flexibility
 - Coverage of multiple asset classes and risk perspectives
 - Interactive web-based interface
 - Hosted risk management and reporting



IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

Algo Risk Service on Cloud

- A customizable, integrated risk framework hosted by IBM offering advanced portfolio and risk analytics covering multi-asset classes and providing access to best-of-breed risk models – the closest you will get to an outsourced in-house financial risk solution.

- **Key features**

- A web-based solution
- Fully flexible / customizable
- Supports multiple investment strategies, asset classes, valuation methodologies, scenario generation techniques and risk/portfolio analytics
- Provides advanced usability with an interactive user application



IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

Algo Risk Reports

- Designed for regulatory compliance, risk-informed decision support and investor confidence
 - A cost-effective risk reporting tool for hedge funds and asset managers. It offers pre-configured regulatory, investor and investment reports.
- **Key features**
 - Pre-configured risk reports support ease of use, enhance investor confidence and help achieve regulatory compliance
 - Mark-to-future technology provides consistency across a multi-asset class framework
 - Enhanced model accuracy helps support whatever strategies you may wish to deploy



IBM SolutionsConnect 2013

L'IBM TechSoftware nouvelle génération

28, 29 et 30 août
IBM Client Center Paris



SAN10P1

Transformez vos opportunités en succès

