LEAVE NOTHING TO CHANCE.
Multiple solutions. One system. Bloomberg’s Multi-Asset Risk System (MARS) is a comprehensive suite of risk management tools that delivers consistent, consolidated results across your entire firm. Powered by Bloomberg’s world-class pricing library, market data and mortgage cash flow engine, MARS enables front office, risk and collateral professionals to analyze their trading and investment portfolios, manage and mitigate their exposure and ready themselves for any turn of events.

MARS includes powerful solutions for front office, market and counterparty risk, a sophisticated collateral management hub and valuation tools that deliver consistent and consolidated results.
A COMPREHENSIVE PRICING LIBRARY

In evolving markets with increasing regulatory oversight, both buy-side and sell-side firms need a powerful solution to value their portfolios and understand their key risks. Using comprehensive pricing library and market-leading Bloomberg data, MARS Valuations solution delivers credible and comprehensive end-of-day market values and Greeks for your entire portfolio for enterprise use with a powerful, versatile and highly intuitive experience.

BROAD COVERAGE, FLEXIBLE PRICING

MARS Valuations’ comprehensive asset class coverage encompasses a broad spectrum of financial instruments, including cash products, exchange-traded, over-the-counter derivatives and structured products. And it provides users full transparency into and flexibility with market data and pricing models.

THE RIGHT MODEL FOR YOUR NEEDS

Bloomberg MARS Valuations is built on a comprehensive quantitative library that offers a range of pricing models. Whether you are pricing an FX Basket, a long-dated FX-IR hybrid, an equity auto-callable or an interest rate range accrual, the pricing library provides the right modeling technique to capture the market dynamics. The list of models includes but is not limited to local volatility, stochastic volatility (such as Heston Model), stochastic local volatility, Hull-White one-two-factor, shifted Libor market model, hybrid of Hull-White one-factor and local volatility.

MARKET-LEADING DATA

As industries become more aware of the hidden complexities within financial products, high-quality underlying market data is playing an ever-more-prominent role. Bloomberg employs innovative data-cleaning techniques and algorithms to generate high-quality data. MARS Valuations enables you to feed high-quality Bloomberg data and snapshot-based golden data into its state-of-the-art pricing library to derive valuations for enterprise use.
SPOT & MANAGE PORTFOLIO RISK – INTRADAY, EVERY DAY

MARS Front Office provides a comprehensive suite of risk analytics that delivers consistency between risk and front office. With advanced scenario and stress test capabilities as well as streamlined workflow solutions, MARS Front Office has everything you need to adapt to changing regulation and thrive in a challenging business landscape.

SOPHISTICATED FUNCTIONALITY

MARS Front Office is equipped with rich functionality that can help front office players understand risk and increase operational efficiency in an evolving regulatory environment. Broad asset class coverage and sophisticated analytics, powered by real-time Bloomberg data, enable front office players such as buy-side hedge fund traders, portfolio managers and investment advisors — as well as sell-side traders, structurers and sales professionals — to monitor and manage intraday risk.

SEAMLESS INTEGRATION

MARS Front Office — and the entire MARS family of solutions — is fully integrated with Bloomberg’s other market-leading solutions, including the Bloomberg Professional® service and our range of trading solutions for both the buy side and sell side. Monitor the value of your portfolios in real time, conduct pre-trade analysis, analyze hedging and investment decisions and perform intraday life cycle and cash flow management — all on a single platform.

ACCURATELY PRICE DERIVATIVES

MARS Front Office also delivers seamless integration with our Bloomberg Derivatives single-security calculators — SWPM for interest rate derivatives, OVML for FX and commodities, OVME for equities, CDSW for credit and the award-winning Bloomberg multi-asset derivatives library, DLIB.

CALCULATE THE RIGHT MARGIN

Capital management is crucial to optimize returns. MARS Counterparty Initial Margin lets you calculate Initial Margin (IM) using CCP IM models for cleared netting sets (CCP/FCM pair) and for OTC Bilateral netting sets with ISDA SIMM. You can lower your capital requirements using incremental IM and “Porting” analysis across cleared and non-cleared netting sets to select the optimal trade venue. MARS also facilitates the attribution, transparency and reporting of SIMM IM risk classes and Greeks for all non-cleared netting sets.
COVER EVERY ANGLE WITH RISK ANALYTICS CUSTOMIZED TO YOUR ENTERPRISE

In today’s complex and interconnected markets, both buy-side and sell-side firms need a powerful solution to monitor, assess and manage intraday and end-of-day risk. MARS Market Risk is a complete risk analytics and reporting solution designed for all risk managers, from the chief risk officer to the risk analyst. Powered by Bloomberg data and analytics, our multi-asset-class offering includes all standard risk measures that financial institutions rely on for internal risk management, management reporting, investor reporting and regulatory compliance — comprehensive capabilities that allow firms to consolidate all risk calculations in one place.

BROAD PRODUCT COVERAGE

If you can price a product on the Bloomberg Terminal®, you can manage its market risk. With product coverage across multiple asset classes, including equities, fixed income, commodities and FX, MARS Market Risk covers the vast majority of both listed and OTC instruments.

POWERFUL ANALYTICS

Leveraging the power of Bloomberg market data and front office pricing calculators, MARS Market Risk contains an extensive suite of metrics, including fully configurable VaR and Expected Shortfall analytics, a flexible stress testing toolkit for historical and predictive scenario analysis and Greek sensitivities.

CUSTOMIZED & STREAMLINED WORKFLOW FOR YOUR ENTERPRISE

Our robust enterprise workflow includes automated daily position feed handling, exception reporting and downstream file delivery for enterprise-wide use. Additionally, historical results archiving enables trend analysis and storage of risk analytics. All so you can gauge risk levels precisely and make faster, more incisive recommendations for your firm.

SEAMLESS REGULATORY RISK REPORTING

MARS Market Risk can help you comply with a number of key regulations, including but not limited to — FORM PF Stress Testing, AIFMD Regulatory Reporting, UCITs Regulatory Reporting, Basel-compliant market risk analytics and CCAR Stress Testing.
MANAGE EXPOSURE AND VALUATION ADJUSTMENTS FOR NON-CLEARED OTC DERIVATIVES

Regulatory and accounting changes since the 2008 financial crisis have made measuring and managing OTC derivative counterparty exposures and their associated costs a vital focus for financial institutions. Built on Bloomberg’s market-leading data, pricing and analytics, MARS XVA delivers a comprehensive solution for counterparty risk analytics and reporting for OTC derivatives. Highly versatile, MARS XVA fulfills the needs of front-office traders calculating and hedging XVA and credit department risk managers using PFE to manage exposure.

A COMPLETE XVA SOLUTION

MARS XVA provides a full suite of metrics to help you quantify valuation adjustments used by the market to capture credit, funding and capital risks.

Credit
While inter-bank trading in vanilla interest rate and FX derivatives has migrated towards central clearing, trading between banks and corporate, sovereigns and pension funds remains mostly bilateral. MARS XVA gives you the ability to quantify expected counterparty losses through CVA for optimal efficiency.

Funding
With banks unable to fund at pre-crisis levels, the market recognizes the importance of quantifying the funding costs of OTC derivative portfolios. MARS XVA ensures you can calculate the costs arising from counterparties trading under less-than-perfect variation margin arrangements (quantified through FVA), as well as the initial margin costs incurred under non-cleared margin rules for bilateral trading (quantified through MVA).

Capital
Capital requirements for counterparty default risk have increased substantially since the crisis while a new CVA capital charge has also been introduced. MARS XVA lets you quantify your capital requirements at the time of trading and on an ongoing basis to help optimize your capital usage.
MAKE THE RIGHT CALL

The wave of reform that followed the 2008 financial crisis has placed increased emphasis on collateral and the vitally important role it plays in the market. The amount of collateral required has expanded significantly, as has the range of products and market participants covered.

AUTOMATED SOLUTIONS

MARS Collateral Management is a sophisticated tool to manage these constantly evolving changes and to mitigate counterparty credit risk. It provides an automated, end-to-end solution that delivers everything you need to manage and monitor exposures and positions and to take control in a changing regulatory landscape.

END-TO-END WORKFLOW

Simple yet powerful workflows are seamlessly integrated with Bloomberg’s data, valuation tools and order management systems, enabling you to manage documentation, compute margin (using the ISDA Standard Initial Margin Method, SIMM, where appropriate), communicate electronically, reconcile disputes with Bloomberg recStation and make interest calculations across a multi-asset framework.
ABOUT THE BLOOMBERG PROFESSIONAL SERVICE

The founding vision in 1981 was to create an information services, news and media company that provides business and financial professionals with the tools and data they need on a single, all-inclusive platform. The success of Bloomberg is due to the constant innovation of our products, unrivalled dedication to customer service and the unique way in which we constantly adapt to an ever-changing marketplace.

The Bloomberg Professional service is a powerful and flexible tool for financial professionals — whatever their needs — in cash and derivatives markets as diverse as equities, currencies, commodities, money markets, government and municipal securities, mortgages, indices, insurance and legal information. The Bloomberg Professional service seamlessly integrates the very best in real-time data, news and analytics.

In addition, Bloomberg users benefit from on-demand multimedia content, extensive electronic trading capabilities and a superior communications platform. Bloomberg customers include influential decision makers in finance, business and government. Business and financial professionals recognize the Bloomberg Professional service as the definitive tool for achieving their goals because it offers unparalleled assistance and functionality on a single platform for a single price.
LEARN MORE

Not only does Bloomberg’s Multi-Asset Risk System help address the needs you have today, it also prepares you for those to come. To learn more about Bloomberg’s risk solutions, visit RISK <GO> or contact us at riskinfo@bloomberg.net.