



# triCalculate FOR THE FRONT OFFICE

High-performance, web-based XVA risk analytics.

The centralised triCalculate service provides XVA risk calculations and trade sensitivities for OTC derivatives using transparent, consistent models across a range of trade types, asset classes and business units.

To remain competitive in a changing market, front office market participants need to manage XVAs (valuation adjustments) with accuracy, speed, and ease. triCalculate provides accelerated risk-adjusted pricing for the front office with high-volume CVA, DVA, FVA, MVA, KVA and ColVA calculations.

triCalculate front-office users can run various pre-deal scenarios to:

- Understand the incremental XVA costs of adding or removing one or more trades to a netting set
- Make quick decisions on the optimal netting set for new trades
- Leverage a clear understanding of derivatives trading costs in real-time



## ADVANCED MVA AND COLVA CAPABILITIES

Margin valuation adjustment (MVA) and collateral funding valuation adjustment (ColVA) are becoming increasingly important for the front office. triCalculate provides advanced support for both:

**triCalculate MVA:** The funding of initial margin (IM) as part of the new bilateral IM rules comes at a cost, which will vary over the lifetime of the trade. MVA is the expected cost of funding IM until maturity of the longest trade in the netting set. triCalculate provides MVA analytics for both Standard Initial Margin Model (SIMM™) MVA and CCP-MVA for IM costs associated with trading with central counterparties.

**triCalculate ColVA:** ColVA is emerging as the definite quantitative answer to the question of which discount curve to use for collateralised counterparties. Under non-standard CSA terms, the decade-old answer of using the (potentially blended) curve of the collateral currency is no longer satisfactory. Advanced collateral funding cost simulations allow you to relax the assumptions of continuous collateral posting under perfect CSAs. It also allows the possibility to price the cheapest to deliver option implicitly embedded in many collateral agreements.



## WHY CHOOSE TRICALCULATE FOR THE FRONT OFFICE?

- ✓ **SPEED AND ACCURACY:** Our sophisticated Probability Matrix Methodology framework includes 100,000 Monte Carlo paths as our standard, resulting in 10x more accuracy than other solutions.
- ✓ **CONSISTENCY:** triCalculate can be used by multiple business units and functions across a firm. When different groups work off the same end-of-day calculations, you get a consistent view on risk and cost.
- ✓ **SUPERIOR CUSTOMER SUPPORT:** Award-winning Valuation Analyst and Quant teams provides 24/5 global support.
- ✓ **QUICK, EASY IMPLEMENTATION:** Web-based private cloud solution means no hardware or software requirements or installation needed. We work with your existing internal trade file formats, so you can get up and running in under 30 days.
- ✓ **EVOLVE WITH EVER-CHANGING XVA DEVELOPMENTS:** Get immediate access to new functionality without the need for time-consuming, expensive upgrades.

## AWARD-WINNING FRONT-OFFICE SOLUTION

### SELL-SIDE TECHNOLOGY AWARDS WATERSTECHNOLOGY



### TECHNOLOGY SOLUTIONS FOR CREDIT RISK 2.0 CHARTIS RESEARCH



Chartis

**RiskTech Quadrant®**

Category Leader

Technology Solutions for Credit Risk 2.0, 2018

## FIND OUT MORE

To find out more about triCalculate and the efficiencies it can create for the front office, email [info@trioptima.com](mailto:info@trioptima.com) or contact your local TriOptima office.

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