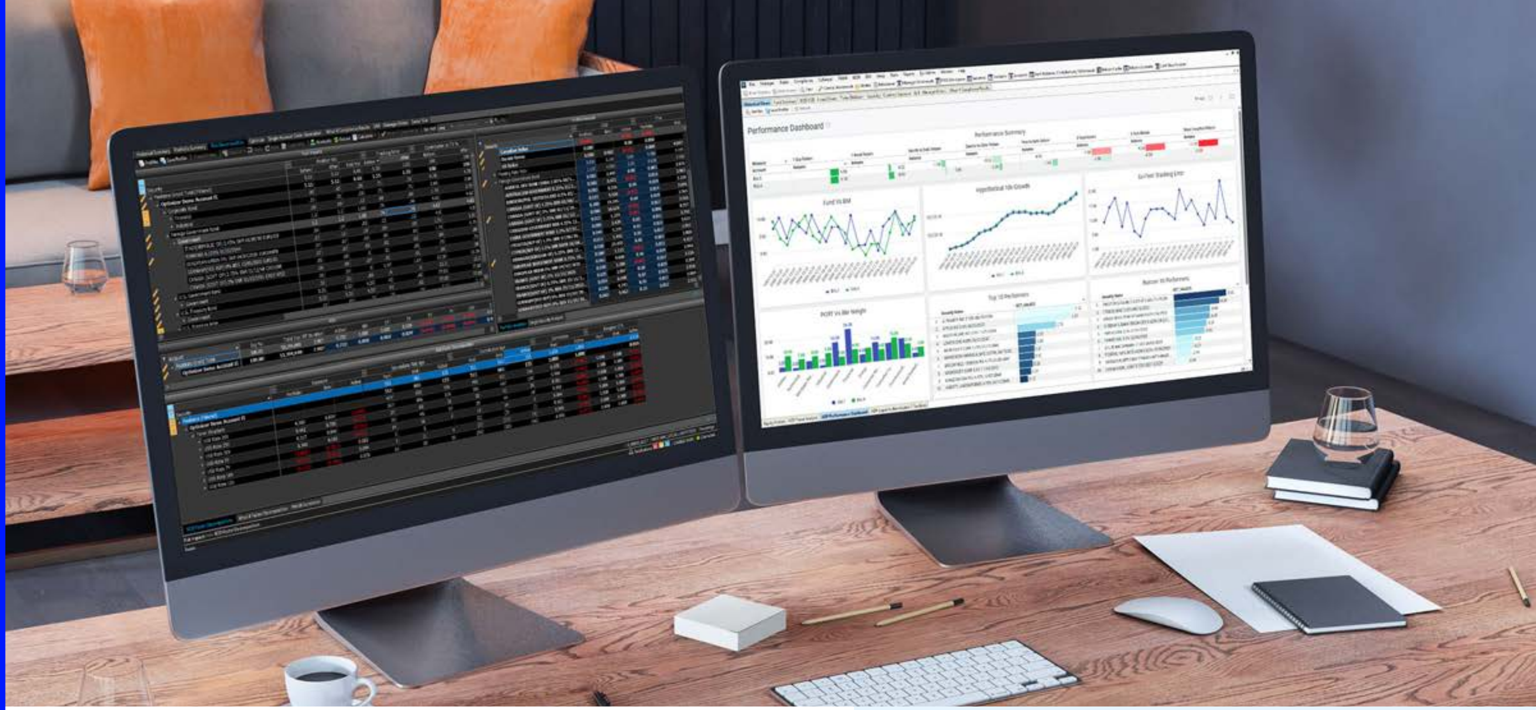

Charles River Portfolio Management and Risk Analytics

Agile portfolio management at scale

Charles River helps portfolio managers act quickly and confidently by clearly seeing their positions, risk and performance. Our agile **portfolio management system** drives efficiency and scale by combining modern investment workflows and fit-for-purpose solutions in real-time. Our technology provides confidence and control over the process that transforms decisions into results.

Turn investment decisions into returns

Data fragmentation and latency impede managing risk across multi-asset portfolios. Aggregate key data sets and make informed decisions. Identify risk, evaluate whether those risks are adequately compensated, and leverage advanced analytics to uncover hidden exposures. With insight, confidently construct portfolios.

Images for illustrative purpose only; no live data being used.

Actionable analytics across asset classes

Improve decision making with risk analytics from top providers that span over 200 asset types across public, private and OTC domains.

- ✔ Asset-level analytics
- ✔ Interest rate analytics
- ✔ Credit risk analytics
- ✔ Single security analytics like duration, key rates, sensitivities, Greeks, et al
- ✔ Factor risk datasets provided by market leading partners

With analytics embedded into versatile visualization tools, focus time on maximizing risk-adjusted returns.

Agile analysis and visualization

Analyze and visualize positions as desired.

- ✔ Slice and dice
- ✔ Filter and pivot
- ✔ Generate orders with top optimizers
- ✔ View impact on compliance and risk
- ✔ What if simulation sandbox
- ✔ Rebalance against benchmarks or models
- ✔ Tune workflows for deeper insight

Make smart investment decisions quickly with intuitive tools that can be tailored.

Wide range of what if workflows

To manage a range of possible market paths, running scenarios is essential. Dynamically run robust what if interactions on portfolio data.

- ✔ Order modeling/ positioning
- ✔ Ex-ante risk calculations on demand
- ✔ Scenario analysis: factor vs. economic
- ✔ Optimization
- ✔ What-if compliance

Weigh different options and choose the best path with dynamic, data-driven decision making.

Streamline decisions on a front to back investment platform

Improve decision making and maximize risk-adjusted returns by combining impactful analysis tools with actionable analytics. Then monitor how those decisions progress from trade initiation through settlement. On Charles River, portfolio decisions are streamlined across the investment process, from front to back office on our multi-asset investment management platform.

Discover the difference with Charles River. Schedule your demo today.

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Portfolio Analysis

- Visualize portfolios, risk and performance
- Slice and dice portfolios
- What if / scenario analysis
- Flexible account filters
- Multi-portfolio reporting

Portfolio Construction

- Optimize portfolios against benchmarks and models
- ETF basket trade workflow
- Build and manage models
- Leverage internal and external benchmarks
- Create and maintain benchmark blends / carve outs
- New asset addition

Historical Lookback

- Analyze portfolio risk beyond a point-in-time
- Streamline analysis and reporting with centralized, fit for purpose data

Idea Implementation

- Create idea lists & park as needed
- Check scenarios against compliance and risk
- Understand cashflow impacts and prepare
- Rebalance portfolios

Private Asset Portfolio Monitoring

- Direct document extraction
- Dashboards
- Ad-hoc analysis
- Drill-down capabilities
- Dynamic filtering

Ex-Ante Risk Modeling

- Single Security Analytics
- Single Security Analytics (with partners)
- Factor-based Risk decomposition
- VaR
- Liquidity Risk

Performance Measurement and Attribution

- Attribution for equity portfolios
- Attribution for fixed income/ multi-asset portfolios (with partners)
- Compositing Functionality

Scenario Analysis

- Stress testing
- What If
- Order Modeling
- Time Series Analysis & Reporting
- Factor vs. Economic

Multi-Sourced Risk Analytics

- Analytics relative to different pricing sources
- Marrying price/FX/Analytic links
- Fund level defaults to pair with benchmark data
- Liability-Driven Investments

300

Approximately 300 investment managers globally trust Charles River for their investment management.

$1T

A top Global Asset Manager improved scale by managing $1T+ AUM of its multi-asset portfolios on Charles River.

2X

A leading US Asset Manager nearly doubled its AUM by acquiring and consolidating desks onto Charles River.

Discover the difference with Charles River. Schedule your demo today.

Charles River Development, A State Street Company

Investment and wealth managers, asset owners and insurers in ~30 countries rely on Charles River IMS to manage USD $59 Trillion in assets. Together with State Street's middle and back office services, Charles River's cloud-based front office technology forms the foundation of State Street Alpha®.

Charles River IMS helps automate and simplify the investment process across asset classes, from portfolio management and risk analytics through trading and post-trade settlement, with integrated compliance and managed data throughout. Charles River for Private Markets helps solve complex data challenges for investors in private credit, real estate, private equity, and infrastructure. Charles River's partner ecosystem enables clients to access the data, analytics, application and liquidity providers that support their product and asset class mix. With more than 195% increase in headcount over the last 8 years, Charles River serves clients globally offering 24/7 support. To learn more visit www.crd.com.

**Statistics as of Q3 2025. Assets are inclusive of clients using the platform for purposes of secondary compliance.*