



TEMPORAL

UNIFIED GLOBAL TRADING PLATFORM TRANSFORMATION

Enabling 5x portfolio growth through cloud-based trading technology modernization

 CHALLENGE

This bank's investment banking division faced significant operational challenges:

- **Geographically dispersed trading floors** across North America, Europe, and Asia
- **Manual coordination** of standards and practices across regions
- **Disparate and outdated technology** for critical functions including securities master, unified book of positions, and compliance
- **Limited visibility** into key performance indicators and metrics for decision makers

SOLUTION OVERVIEW

Temporal designed a comprehensive unified trading platform solution.

KEY SOLUTION COMPONENTS:

- 1 Unified Trading Platform**
 - Operates seamlessly at both regional and global levels
 - Ensures consistent operations across all trading environments
- 2 Web-Based Technology Stack**
 - Modern web interfaces for traders and managers
 - Robust event management platform ensuring data integrity
 - Cross-timezone data consistency and validation
- 3 "Follow the Sun" Processing**
 - Continuous data ingestion and processing across time zones
 - 24/7 operational capability with minimal manual intervention

IMPLEMENTATION HIGHLIGHTS

- **AWS cloud infrastructure** for compute, networking, storage, and data services
- **Microsoft application stack** (.NET, C++) for web and backend services
- **Event-driven architecture** with robust message queuing system
- **Integration of third-party and open source** frameworks and tools

RESULTS & IMPACT

- **5x portfolio growth** achieved over 36 months
- **Enhanced visibility** into performance and compliance metrics
- **Streamlined operations** across multiple international trading floors
- **Improved decision-making** through comprehensive data access and reporting