

## Historical Data Mining Solution

Buy-Side Syndicated Loan Asset Manager

Duration: 5 months

### Overview

A buy-side client required a solution to manage and mine historical data, framed within the Everest (Black Mountain Systems) environment.

### Business Goals

Implement a process and solution to meet the following needs:

1. Custom Data Warehousing:
  - Position and historical asset data
  - Data de-normalization based on business need
2. Data Point Pre-Aggregation:
  - Optimize the environment for efficient mining of data
3. Data Integration:
  - Trade cycle data utilized for potential credit analysis – relative pricing, sector analysis
4. Attribution Analytics:
  - Client-specific custom attribution analytics
  - Comparison against multiple benchmarks and output of standardized metrics

### Business Challenges

#### Business Processes and Data Use

- Understanding the business processes that utilized the data so as to structure the data warehouse for optimized data mining application
- Normalizing and de-normalizing data to most effectively drive business

#### Process Change Management

- Resource training in order to utilize, support, and maintain the data warehouse and stored procedures.
- Integration of the data warehouse and data mining processes into existing flows and functions.

### Value Proposition

#### Consulting and Project Management

- Provide insights into the design, development, and execution of the solution.
- Coordinate implementation efforts, communication, and procedural development for staff.
- Ensure completeness of testing and delivery of solution.

## Solution Design

- Design approach informed by TenDelta's decade-long firsthand experience developing solutions within the Everest environment.
- Development driven by a profound knowledge of the syndicated loan space, from a buy-side perspective.
- Deep understanding of data normalization/de-normalization and process optimization.

## Outcome

TenDelta designed, developed, and delivered a solution that exceeded client expectations, on time and within budget. The solution provided meaningful business insights, and the client has utilized TenDelta's expertise for numerous subsequent projects.