Case Study

Investment Management Software Tools

Situation

A major investment management company needed to update the software tools it used to perform performance fee calculations and processing, manage purchases and redemptions, calculate interim performance fees and calculate early redemption charges for its client accounts.

The existing methods for managing the client accounts entailed much manual work with a variety of non-integrated tools. The process was time consuming and required execution by someone with detailed knowledge and understanding of the calculations.

Solution

AFDtek worked with the client to acquire the project requirements and necessary business domain knowledge. Using that knowledge, AFDtek designed and built a suite of investment account management tools based on Microsoft Windows .NET and Microsoft SQL Server database technologies.

Key Features of the Project

The new tools incorporated the business rules necessary to track fund purchases and redemptions, track the high-water mark and automatically calculate the annual performance fees and fees triggered upon redemption.

The new tools provided continuity from the previous tools by including the capability to import account data from previous years. The new tools were validated by back-testing with the previous years' data.

The new tools were integrated into a single Windows application. The application provided a complete set of user interface features for data entry and management of a database of client accounts, fund prices and fund fees.

The new tools provided the capability to generate a variety of reports suitable for formal audits.

Project at a Glance

Client: A major investment management company

Field: Financial services

Location: Toronto

Project: Develop investment account management tools

Date of Completion: December 2009