



Financial Risk Solutions

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Invest | Pro™
for Collective / Mutual
Funds

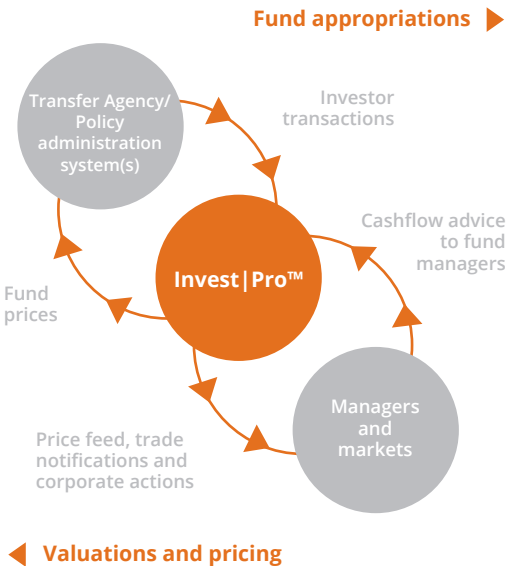
Invest|Pro™ is a unique software solution to price collective funds and manage the cash flows between a company's policy administration system and investment managers. Used by over 20 life companies, the scalable modular design enables Invest|Pro™ users to administer large volumes of Fund-of Fund (FOF) business, feeding the investment cash-flows in aggregate to the market. The system allows for funds within tiered structures to be easily managed and it integrates easily and quickly with other systems using web services or file transfers.



Invest|Pro™ has a range of modules that have been designed with specific investment administration functions in mind.
The modules are as follows:

Key benefits include:

- ✓ Increased efficiencies through automated investment administration processes
- ✓ Modules integrate easily with other systems so they can be used to enhance overall investment management processes
- ✓ Reduced operational risk with specific investment governance modules
- ✓ Highly scalable architecture to support an institution's growth
- ✓ Extensive support for your business from experienced personnel who have worked as investment professionals in your industry



Modules include:

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Analytics

Analytics is a powerful web-based business intelligence module, which allows Life Office executives to connect to real-time investment administration data in a few clicks, then visualise and create interactive dashboards for fast data assimilation. It can also be configured to access data outside the Invest|Pro™ databases allowing you to use the system as a general reporting tool within the enterprise.

Key benefits:

- ✓ It combines real-time trading data and daily unit-prices as well as finance and policy administration data into completely customisable data, graphics or dashboards.
- ✓ It consistently facilitates the ability to reduce risks by providing real-time detail on fund valuations, fund appropriation and fund and asset reports in an accessible format.
- ✓ It uses an SQL database which means it can be used with multiple existing client applications and systems without the need to upgrade your existing Invest|Pro™ system
- ✓ It empowers senior management and heads of department to see the complete and real-time investment administration picture
- ✓ It is web-based, allowing for remote reporting and the ability to create and quickly view reports on huge datasets (>10 million records).

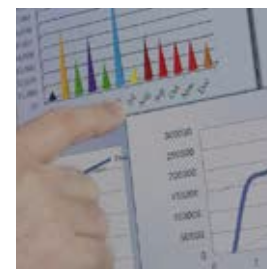


Asset Reconciliations

The Asset Reconciliation module of Invest|Pro™ allows for daily asset and bank reconciliations to be generated, irrespective of the electronic format issued by a bank or custodian.

Key benefits:

- ✓ Ensures you are working with current verified asset positions before reporting to clients, regulators or management
- ✓ Reduces risk of fraud
- ✓ Provides an independent check on the trading functions
- ✓ Greatly reduces operational risk across all investment administration areas
- ✓ Highlights problems in the data before they become financial problems





Cash Allocations – Appropriations

The Cash Allocation module of Invest|Pro™ automates the complex procedures involved in capturing customers cash movements into top level collective funds and converting these to trade orders. It also supports the generation of forecasted cashflows from estimated data in advance of the asset valuation points, making it easy to comply with investment mandates and ensuring other unit holders' investments do not get diluted by daily cash positions.

Key benefits:

- ✓ Integration with your business systems to capture customer fund requests
- ✓ New shares/units in collective funds can be created directly from client cashflows
- ✓ Unit/share movements in Fund-of-Funds can be converted into movements in underlying base funds across any number of layers
- ✓ Algorithmic calculation of trade orders and automatic placement of trades to market
- ✓ Synchronized timing of trade execution and unit creation



Charges and Fees

The Charges and Fees module allows the automatic calculations of complex fee management structures across a range of funds. Charges can be created net or gross of underlying charges already accrued with assets held and can be based on inflows, net inflows, changes in value (performance), gross asset or net asset values. A full range of transactional fees are also catered for such as dealing, custody and settlement fees.

Key benefits:

- ✓ Automatic calculation of complex fee management structures
- ✓ Risk and inefficiencies of manual and offline charge calculations are mitigated
- ✓ Integration with investor advisor payment systems
- ✓ Integration with bank reconciliation systems for cash management





Fund Accounts

The Fund Accounts module has a built-in general ledger, which is used to generate financial statements in respect of the portfolios (portfolio balance sheets and revenue accounts). This module easily integrates with other external systems as well as the Rules Management and Analytics modules within Invest|Pro™, so a complete overview of financial statements and investment positions are available and can be constantly checked and recorded within the audit logs.

Key benefits:

- ✓ Full general ledger containing the chart of accounts for all the investment activity of your company is available
- ✓ Integration with main accounting systems allows for efficient population of corporate financial systems
- ✓ Reduced operational risk with daily reconciliation of accounts with Invest|Pro™ valuation calculations



Rules Management

The Rules Management module independently checks processes and data for issues around data or process outputs which could potentially lead to errors or system failures. Rule exceptions, when they occur, are broadcast to a defined distribution list by email and SMS. Rules can block other processes from occurring where the system detects non-normal data patterns and requires such exceptions to be signed off by nominated persons. The system also maintains detailed logs when every rule runs and what breaches if any were found.

Key benefits:

- ✓ Improved corporate governance through pre- defined investment rules within the Invest|Pro™ system
- ✓ Data problems can be discovered before they become financial problems
- ✓ Provides an auditable record of all checks carried out and signed off for each investment process
- ✓ Can be extended into other non-investment processes to give a unified system of control with the highest standards of risk management





Solvency II

Life companies operating in EU jurisdictions require solvency II functionality within their asset systems to comply with the solvency II regulations. With Invest|GRC™ you can meet your solvency II obligations with the support of the FRS actuarial team. Invest|GRC™ is a market leading solution dedicated to supporting the needs of life company portfolio administration.

Our solvency II module in conjunction with the other Invest|Pro™ risk tools gives your risk management team the functionality they need to put in place a robust framework to conduct your own risk and solvency assessment on your investment related business.

- ✓ Automatic production of the asset QRT reports
- ✓ Integration with market data providers for standing data requirements
- ✓ Integration with look through data providers
- ✓ Production of asset data for Pillar I calculations and Pillar 3 reports (D1 and D4)
- ✓ Outsourced supervision when NAV production or Unit Pricing is outsourced
- ✓ Asset compliance database for general oversight of asset holdings

- ✓ Fund performances
- ✓ Fund factsheets
- ✓ Fund reporting
- ✓ Investment mandate compliance



Task Scheduler

Task Scheduler allows for round-the-clock business processing with sophisticated time-scheduling and dependency management of automatic processes, run by high-powered servers, ensuring that manual activities on investment systems are kept to a minimum.

Key benefits:

- ✓ Bringing efficiencies to your investment process as Task Scheduler allows complex multi-stage investment processes to be automated
- ✓ Removes risk of human error in data entry and process management
- ✓ Allows for automatic altering for issues raised in automatic processing





Tax Accruals

InvestlPro™ caters for different taxation regimes, ie UK 'I-E' tax basis, Irish 'I-E' tax basis and gross funds. The Tax Accruals module calculates the taxation accruals as a fundamental liability component in the valuation process. The results can also be used as part of the company's corporate taxation model.

Key benefits:

- ✓ Produces accurate and up-to-date taxation accrual calculations as an integral part of portfolio valuations
- ✓ Allows for complexities of life industry taxation code including CGT deemed disposals
- ✓ Full drill down reporting on accruals to security level data is instantly available

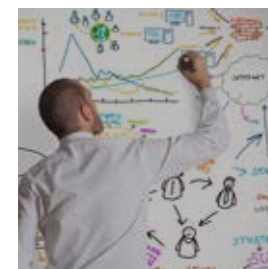


Trade Management

The Trade Management module manages and tracks the status for asset transactions from initial order creation through to settlement and is customisable for different security categories. Trade orders are sourced from the unit creation process (for collective funds) or via the InvestlRetail™ web portal for individual portfolios. Orders can also arise from a rebalancing exercise or where the portfolios are linked to a model portfolio which changes. Alternatively, the user interface allows investment professionals to enter trades via a trading screen. Using InvestlPro™'s trading validation algorithms, trading parameters are checked and may be forced through authorisation processes if necessary.

Key benefits:

- ✓ Trades can be managed and controlled throughout the trading life cycle from creation to settlement
- ✓ The trading process is pre-built
- ✓ Easy Integration with multiple external trading platforms and settlement counterparties
- ✓ Scalable solution capable of handling millions of transactions per day, aggregating trades where required





Valuations/NAV Calculations

The Valuations module calculates portfolio valuations across multiple asset classes from the ground up, using only data in the transactional database. Valuations are then checked against fund accounts data giving an industry-leading control check on the quality of the asset and liability valuations. Features include: FoF valuation functionality, NAV/Unit price calculations, links to external data providers (for standing asset data, corporate actions and market price data), accounting for asset disposals on either the first-in first out (FIFO) basis or the average cost basis, creation and cancellation basis pricing, complex fund charging structures and allowance for UK 'I-E' taxation provisions for life funds.

Key benefits:

- ✓ Produce lightning-fast valuations of your investment portfolios
- ✓ Unlimited scalability
- ✓ Provides the ability to drill down into comprehensive auditable records of past valuations independent of transactional data
- ✓ Exception-based reporting in conjunction with the InvestlPro™ investment rules engine



Why Choose FRS?

Focus — We are 100% dedicated to building fund Investment administration systems for the life assurance industry and oversight software for the life and investment management industries.

Exceptional track record of customer success — Since our first implementation in 2001, more than 100 implementations have gone live in production.

Up to date technology — Our products are built using the latest proven technology and are mobile ready, secure and available when you need them.

Modular solutions — For maximum flexibility you can tailor your solution as and when you see fit by picking the modules you need.

Expert engineering — Our products go through thousands of unit tests each time an engineer makes a change to ensure you get the most reliable system possible.

Efficient implementation — Expert, lean, highly efficient implementation teams, with a typical team size of three FRS consultants.

Here for the long-term — We build our products to last, and we conduct business to have lifelong relationships with our customers. We have been doing just this since 1999.

Software expertise backed by actuarial excellence

FRS was established in 1999 by a group of senior level actuaries who had spent years on the other side of the desk working with different investment administration systems. Unable to find an efficient system they began building numerous 'work arounds' and disjointed systems and quickly realised that there was a tremendous opportunity to develop a software system that could solve complex problems for life assurance companies and asset managers.

Launching FRS the founding actuaries combined their industry know-how and investment product knowledge with the skills of leading software specialists to develop FRS's flagship product Invest|Pro™. Today twenty five Life assurance companies in Europe and the US use FRS software in their core investment administration and fund accounting departments.



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