



## IBS-ITECH

### For Fund Administration and Investment Management

The IBS-ITECH product is an absolutely integrated solution for fund administrators, fiduciary services and portfolio managers.

IBS-ITECH is formed by a capital module, a financial module, a general ledger module, and a reporting module. It also has additional modules that integrate due diligence procedures and anti Money laundering control to the business processes of the organization. All these modules make up one application, which uses open relational database technology. Benefits of this approach include increased efficiency, very little risk of error and faster valuations. IBS-ITECH also brings all the benefits of a state of the art relational database design such as sturdiness, scalability and user-friendly extraction of data from the database.

At the same time that transactions are entered into the system through both the capital and financial module, the general ledger module is updated in real time. Furthermore security market prices can be entered manually or via an automated feed from a pricing vendor.



## THE IBS-ITECH SOLUTION

The IBS-ITECH product is a fully integrated solution for fund administrators, fiduciary services and investment managers who want to address the infrastructure and regulatory challenges of their business and who want to improve their level of service to their customers.

### KEY FEATURES

- IBS-ITECH has got market leading features for fund of funds accounting. You will find that accounting for both long and short positions including equity are included in the Portfolio module, as well as fund of funds, futures and options.
- IBS-ITECH was designed from the very start as an integrated system. All the components of the system are integrated with the NAV accounting and the multi-currency General Ledger. On the other hand, individual modules may be used exclusively.
- Uploads – all major transactional data can be uploaded from Microsoft Excel files or text files. E.G. portfolio transactions, journal entries, share registry transactions, FX transactions.
- You will perform mark-to-market and safe pricing via an interface with mayor price providers.
- The hedge Fund industry can benefit from the functionality of the Performance Fees including Series Consolidations/Rollups and Multi-Series.
- Shareholder registry and performance fee calculations support multi-series.
- Master/feeder structures are supported by IBS-ITECH. All tiers of fund-of-funds and master feeder structures of IBS-ITECH can be revalued in one process.
- An extensive security system controls user access to funds and individual menu access. You can enforce a separate authorizer functionality if required.
- Shareholder contract notes and statements are customised for each investment manager with a tailored reporting tool.

## CAPITAL MODULE

### **ACCOUNTING and BOOK-KEEPING**

Where the NAV for the share transaction has not ended, the user has the option to 'lock' the subscription amount so that the number of units for the transaction is automatically regenerated once the NAV price is finalized for the transaction date. In the case of redemptions, the user can choose among the options the one that enables to lock the redemption units or value.

The system regenerates the transaction as the price is finalized and posts the accounting entries

### **FEE PAYMENTS**

By using the IBS-ITECH fee payments template cash payments of fees can be automated.

### **STATEMENTS OF ACCOUNT**

Copies can be sent to an unlimited number of third parties. All contract notes and detailed investor net asset value statements can be printed for post, interfaced with Microsoft Outlook for email or sent from a facsimile server. Impact-Itech has developed a client reporting package to generate customized statements for each site, and if necessary further customize statements for individual funds in order to customize client statements to business requirements and preferences

### **MASTER/FEEDER PRICE UPDATES**

NAV prices are automatically updated from underlying master funds to investing feeder funds. IBS-ITECH automatically regenerates the pricing of internal transactions between masters and feeders if there are NAV changes in the structure.

### **NAV CALCULATION**

IBS-ITECH system has a flexibility that allows for a wide range of different and complex fee structures to be defined and applied. It also includes the functionality of defining multiple fee structures within a fund. These fee calculations currently support the "Series of shares and consolidation" method.

### **AUTOMATIC VALUATIONS**

The multi series funds can be valued automatically without the need for manual adjustments by running the valuation process. Among its many advantages, another one is that valuations can be run for companies individually, for fund-of-funds or master feeder groups or all funds together in one process. Furthermore the fees and valuation can be recalculated at the push of a button if underlying shares or portfolio valuation changes. As you can see this is particularly useful for "fund of funds" where estimated values of underlying funds often change, requiring recalculation of fees and unit pricing.

### **CONSOLIDATION OF SERIES and ROLL-UPS**

It is in the IBS-ITECH multi-series model, that series can be automatically consolidated into a lead series. This usually happens once a HWM has been set for the lead and source series.



## UNIT PRICING

IBS-ITECH calculates unit pricing per share after revaluation of the investment portfolio and deduction of fees.

## FINANCIAL MODULE

### **CORPORATE ACTIONS (COUPONS, DIVIDENDS AND MATURITY EVENTS)**

A coupon interest for posting the interest or dividend receipt to the General Ledger will be automatically scheduled. It will also post partial or total capital amortizations and bond maturities.

### **DERIVATIVE INSTRUMENTS**

Despite the fact that IBS-ITECH does not have a specific derivatives module, the securities module allows options booking and futures as individual securities. These are reported separately in the financial statements and portfolio holdings reports. As fund administrators prefer to get the external prices for derivatives rather than in-house, this is the approach which suits them the most.

### **DIRECT SECURITY INVESTMENT**

The system supports both long and short equity and fixed income securities. Enabling it to generate and post accounting entries to the general ledger for realized gain/loss, unrealized gain/loss, interest accruals, commission and other charges.

### **FLEXIBLE REVALUATION PARAMETERS**

You can decide when to revalue and from what source you can do it.. Different funds holding in the same security can use different pricing sources.

All the processes are integrated into one system and processes like securities revaluation and interest accrual can be run daily, weekly, monthly or in whatever frequency the user specifies. If the task that you have to do is to correct a price for instance, you perform the correction and re-run the revaluation. All accounting entries will be automatically adjusted and will flow through into a revised NAV and financial statements.

### **FUND OF FUND STRATEGIES**

Fund-of-funds portfolio accounting and valuation for master/feeder structures are supported by IBS-ITECH. You can choose from the many fund of funds specific design features, such as the ability of entered trades to automatically adjust based on changing underlying NAV prices, split/deferred payouts from portfolio fund investments (e.g. 90%/10% deferred payouts) and storage of redemption terms.

### **TYPES OF INSTRUMENTS SUPPORTED**

IBS-ITECH Financial module resolves different financial instruments as follows:

- Bank Accounts
- Factoring
- Fixed term deposits
- Forex
- Loans
- Overnight deposits
- Securities



## GENERAL LEDGER MODULE

### STRUCTURE

IBS-ITECH contains a powerful multicurrency general ledger module for preparation of fund NAV and financial statements. IBS-ITech maintains an individual trial balance for each partner in a partnership or each series in a fund as well as an aggregate trial balance for the overall entity.

Thus each share series or partners assets can be tied directly to the underlying balance sheets and P&L performance.

### ACCOUNTING EXTENSION

The accounting core of IBS-ITECH is complemented with modules that contain extended information about billing, debtors and creditors which allow the automation of some billing processes.

The processes are:

Debtors and Creditors: allows the management of invoices and invoices payable.

Contracts and turnover: The company can generate via one process all recurring invoices and/or bills payable when it is configured in IBS-ITECH .

### AUTOMATED CURRENCY REVALUATION

An automated currency revaluation marks to market the general ledger balances at the applicable foreign exchange rates.

### BUDGET AND RESULT EXECUTION

IBS-ITECH supports the maintenance of budget and contains reports that compares budget to the actual profit & losses execution.

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### CLOSE OFF ABILITY

A period can be locked off once a fund valuation is finalized, preventing inadvertent postings of transactions to that period.

### CONSOLIDATION OF FUNDS

The system allows for groups of funds to be used separately and also be consolidated.

### MULTIPLE CHARTS OF ACCOUNTS

The generation of reports with different detail level in order to produce operative reports or summary reports is possible with IBS-ITECH.

## PROFIT CENTER MANAGEMENT

Budget and profit & losses execution can be opened by profit center.

## VALUE DATE POSTING

It is possible to post Journal entries to future, present and past value dates in any currency.

## SPECIAL ALLOCATIONS

Non pro-rata journal entries may be booked and marked against specific series/partners. These can also be based on relative capital of selected partners/series.

## TRACEABILITY

The system allows each shareholder, security and GL journal transaction to be traced directly to the underlying entries in the GL.

## UPLOADS

Depending on their preference, users can upload journal entries directly from a spreadsheet or use the standard input screens.

## FUND REPORTING MODULE

### CUSTOM REPORTS AND STATEMENTS

Custom reports and statements will be developed on request. This is tailor-made because many of these are specific to a particular client (such as contract notes or NAV statements) they are developed outside of the system and included in the reporting package provided for the exclusive use of that client. As the open relational database architecture is very user-friendly it allows clients to develop their own reports freely.

### REPORTS

In IBS-ITECH you will find a set of predefined accounting and financial reports such as:

- Average balances
- Balance (single company and consolidated)
- Contract notes
- General Journal
- General Ledger
- Investment Schedule
- Portfolio transaction
- Portfolio valuation
- Net Assets Value (single or multi-series calculation)
- Shareholder statement of account
- Shareholder movement schedule
- Trial balance (both single and consolidated companies).



## STANDARD REPORTS

There are more than 50 standard reports which provide a number of different formats for financial statements, share registry reports and securities/portfolio related reports. All standard reports can be saved in spreadsheet, PDF and other formats.

## ADDITIONAL MODULES

Further to the modules mentioned the solution also contains a module with extended information about the clients, structures and corporations with connected organisms as well as their relationship with the business so as to obtain an integrated and complete view of the business. It is in this unified view that the basis of information of the modules is based:

### DUE DILIGENCE MANAGER

It can create the definition and administration of documentation requirements about the clients both internally (as defined by the organization) and legally (as demanded by the regulators of each jurisdiction). It is helpful to know that the module guides the execution of the due diligence based on the commercial relationships of the contacts with the organization and also keeps records of the actions undertaken in the process.

The documents of the regulators of every jurisdiction or the documents of the organizations that is required are defined at role level inside the corporate structure of the business

- Owner
- Person represented (Power of Attorney, Agent)
- Hierarchical Personnel (Director, President)
- Authorized Signatory

The formulated definitions for the different roles are projected onto the live database thus enabling to give a unified view of the documentation demands, generally a good thing because they are then controlled in the daily operations, displaying the level of completeness real-time for each individual contact or corporation involved.

### RISK RATING FRAMEWORK

This module makes the most out of the network generated among the clients and the functions that take place within the businesses. This module evaluates the risk of each and every single structure.

It provides the highest level of security for it allows the definition and control of risk frameworks for the client and the commercial relationship with the organization, to evaluate situations such as the potential risk of money laundering.

### MONEY LAUNDERING CONTROL

To control anti money laundering activity Patterns (AML) a profile control of expected versus current behavior is implemented. This is possible thanks to the existing managerial system such as the accounting banking system (IBS)



## SUSPICIOUS NAMES SEARCH

This is an extremely important module, for it allows the company to execute massive controls over the whole database. When you detect suspicious names you mark them as “false finds” . Names detected as suspicious and subsequently cleared can be marked as “false finds” so that they are not detected again.

Such feature has the ability to incorporate lists of suspicious names from any available list in a formatted file (e.g. ONU, OFAC, ) or an anti-client list issued by the company , which are then verified against the contacts and existing businesses.

It keeps as well, a log of executions with the results and the actions taken by the account officers and compliant officers for further consultancy.

Wire transfer beneficiaries can be verified on line against every suspicious list saved into the database.

## DYNAMIC REPORTS PRODUCER

Users can generate customized reports thanks to the Dynamic Report Producer. For it provides helpful information on Contacts, Businesses and Due Diligence requirements:

- It has a visual tool to produce dynamic reports.
- You can save the parameters of each query in case you want to execute later.
- It can also regroup results, put things in order, interchange columns, etc.
- Before emitting the report you can review the structure of the query.
- The results obtained can be exported to Excel or sent via email.

## DOCUMENT AND IMAGE LINKING

Some image linking can be performed. For example the documents and images stored on the network can be linked to certain IBS-ITECH system tables. E.g. images of authorized signatory lists can be linked to investors and information memoranda can be linked to funds.

## NATIVE FEATURES

You will find the following native features in our products

### MULTI-LANGUAGE

It can translate forms, messages, reports, etc. into 3 languages configurable by user.

### AUDIT LOG

Another good thing is that whatever modifications are made to headings, clients, codes, entries, transactions, etc. they are registered for further consultation.



## **ACCESS LOG**

Monitoring Log-in and Log-off from systems in real time.

## **MICROSOFT OFFICE INTEGRATION**

You can export to different file formats reports and grids generated by the system. are

## **SECURITY**

The access control of the system as well as the creation of different user profiles is administrated in a simple and centralized way.

## **TECHNICAL INFORMATION**

### **ARCHITECTURE**

You can find it in two or three tier model. In case of using the three tier, Microsoft Information Server is used to store business rules tier.

### **SOFTWARE FRAMEWORK**

It is fully developed on Microsoft platform. It uses Visual Studio.Net as a developing tool and SQL Server as a database engine. Supports both 32 and 64 bits and it is compatible with every version of Microsoft operating systems.

### **FULL INTEGRATION WITH MICROSOFT OFFICE® AND ADOBE ACROBAT®.**

Every report can be exported in PDF, Excel and Word format and it can be sent via e-mail directly from the system.

### **WINDOWS SECURITY INTEGRATION**

It is not necessary for IBS\_ITECH users to retype user and password to enter to the system; it could be integrated with the Windows user.

Also IBS-ITECH can be configured to use SQL Server integrated security.

## **IBS-ITECH SUPPORT**

Technical support offices are located in Uruguay and Panama.

Impact-Itech takes pride in providing the highest level of support.

The support team will immediately investigate the problem and track its resolution through to its ultimate conclusion.