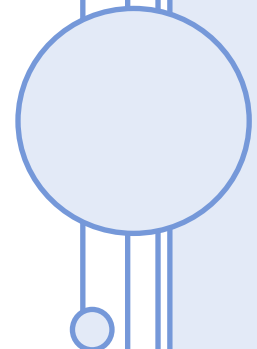# UniQ Financial

Transforming Accounting Processes

An integrated view of your business processes, financial positions, costs, and performances, at an effective cost in real time.

A UniQ Soft Technology Solution

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I.   UniQ Soft Technology

UniQ Soft Technology is a FinTech firm founded 4 years ago by a group of experts having more than 25 years in Banking, and Accounting information systems, with different types of organizations and financial institutions across the world.

Our mission is to create for our customers the accounting and management information system of choice, providing them with an integrated vision on their business processes, positions, costs, and performances at an effective cost in real time.

II.   UniQ Financial Solution

UniQ Financial is an event driven solution aiming to maximize automated processes and minimizing human intervention. As a result, transforms the role of the accountants by giving them more time for controlling, analyzing, and forecasting   financial information instead of the repetitive tasks of bookkeeping.

In this document we will be presenting the Technical and Functional Architecture, the UniQ Core, and the different components of UniQ Financial Solutions.

A. UniQ Technical Architecture:

UniQ Financial is web based, built on Java Enterprise Specifications with three tier architectures:

i.   **The platform:** UniQ Financial is platform independent. It can run under any operating system (UNIX, Linux, windows) and with any relational database management system (SQL, IBM, Oracle).

ii.   **Business Logic:** It includes UniQ Financial applications and solutions (UniQ Core plus the different UniQ Modules).

iii.   **The Interface Layer:** UniQ Financial is accessible via web browser in multiple Channels such PC, Tablets, and Smartphones.

UniQ Three Tier Architecture

UniQ Technology offers an administration and Security System based on the user's roles and profiles with access right per entity, per application, and function.

UniQ Soft Technology offers web service interfaces with core banking and other systems. The interfaces are either real time or batch based.

B.   UniQ Functional Architecture

UniQ Functional Architecture

UniQ Financial is an event driven and rule based Accounting Information System, it includes the followings:

i.   *UniQ Core: It's the base of UniQ Solution, it includes the Framework or the referential system, the Event Engine, and the Accounting Interpreter.*

ii.   *UniQ General Leger: It includes journal entry capture, Event capture, Accounting Books, end of period processing, and financial reports.*

iii. *UniQ Cost Accounting: It includes budgeting, cost and income allocations, Plant wide and ABC costing methods. It provides Transfer Pricing capabilities, performance and profitability analysis and reports.* UniQ Soft Technology is a FinTech

iv.   *UniQ Regulatory Engine* is used to map and extract financial data from UniQ General Ledger and other Data Sources to produce Regulatory Reports

v.   *UniQ Financial Consolidation* is used to gather data from different entities, perform, Currency Conversion, Elimination and Aggregation processes in order to produce consolidated group reports.

vi.   *UniQ Operational Modules* include Accounts Payable, Accounts Receivable, Fixed Asset, Inventory Management, Payroll, Treasury, and Human Resources. The Later Module includes staff expenses and time sheet functions

vii.   *UniQ Business Unit: It provides the possibility to run all UniQ Solutions with several entities under the same environment.*

III.   UniQ Core (CO)

UniQ Core, also called Rule Based Accounting Engine. It includes three components;

UniQ Framework defines the referential data such as currency codes and exchange rates, account categories, transaction codes, accounting rules, Gaap type, and accounting Schemas.

UniQ Event Engine captures external business events and processes them into accounting events; contingent and non-contingent booking events, and non-accounting Event such as inventory, notification, etc.

UniQ Accounting Interpreter captures accounting events and processes them into contingent and non-contingent journal entries.

UniQ Accounting Engine is a suitable solution for any type of organization to solve complex accounting issues such as the followings:

- Multi-Gaaps,

- Trade date - Value date conversion,

- Transfer Pricing bookings,

- Special tax treatments,

- Internal cost allocation,

- Collateral accounting,

- Provisioning

- Position Accounting,

- Consolidation bookings,

- Negative interest rate bookings,

- Interest Accrual paid and not paid

- And any other required accounting rules.

IV.   UniQ General Ledger (GL)

UniQ General Ledger (GL) is a comprehensive accounting system. It centralizes all journal entries, Accounts and Balances. It manages the different accounting periods, including post-closing accounting events, and provides statuary financial statements.

UniQ General Ledger offers the following functions:

- Journal Entry Capture,

- Accounting Period management,

- Post Closure Events,

- Balancing check,

- Account Statements,

- Accounting Journals,

- Trial Balance,

- Vat and other Tax reports.

- Relation Profiling

- Multiple Chart of Accounts
- Centralized Sub-Ledger accounts
- Financial Statement Generator,
- Connection with standard BI tools,

V.   UniQ Cost Accounting (CA)

UniQ Cost Accounting is a Management Accounting System providing users with performance and profitability views in order for them to take the right decisions at the right time.

UniQ-CA provides an organization structure based on Cost/profit center hierarchy, Budgeting and Simulation functions, an Allocation and Reallocation Engine, as well as Transfer Pricing Mechanism.

UniQ - CA provides both; Plant wide and Activity Based Cost Analysis models.

UniQ Cost Accounting offers the following functionalities

- Budgeting and Simulation,
- Integration with Financial Accounting Systems,
- Monthly Average Balance Calculation,
- Transfer Pricing Engine by product and Currency,
- Two level Allocation Engine,
- Multi-Source and Multi-Target Allocation,
- Activity Based Costing   Analysis,
- Capturing Non Recognized Expenses (hidden Cost),
- Management Accounting Journal Entries
- Performance analysis and Reports,
- Profitability analysis and Reports,
- Integration with Excel,
- Integration standard BI tools,
- Integrated with Payroll and UniQ Human Resources,
- Pivot Table and an Enquiry Builder,

VI.   UniQ Regulatory Engine (RE)

UniQ Regulatory Engine provides a Framework where accounting data, Transaction and contractual data are collected together and structured in certain way in order to present Regulatory data in one single File.

UniQ-RE File can then be used to produce Regulatory reports or made available for any other specialized Regulatory Reporting Systems.

UniQ Regulatory Engine includes the following function:

- Regulatory Code Definition and mapping to General Ledger items,
- Regulatory references (Rubric) Definition and Mapping to the General Ledger Item,
- Default Value and specific Regulatory Code definition,
- Regulatory Code Mapping Control to General Ledger Items
- Regulatory Reference (Rubric) Definition
- Import Extra Accounting Data for Customer and Relations
- Import Extra Regulatory data for Deals and Contracts
- Import Extra Regulatory Data for Portfolio Positions
- Import Extra Journal Entries related to regulatory Reporting form Third Party
- Generate Regulatory File
- Define and Generate Regulatory Reports

III.   UniQ Multi-Company (MC)

UniQ Multi-Entity is designed to run multiple business units within the same environment and Database. Every Business Units holds its own Security, Referential data, Process, Bookings and Reports.

UniQ Multi-Companies can identify intercompany transactions and use them during consolidation processes such as neutralization and aggregation.

UniQ Reporting tools can be configured to consolidate company reports. It includes an Exchange Currency mechanism that brings all consolidated companies reports to the same Currency of the consolidation company.

IV.   UniQ Consolidation (FC)

UniQ-FC is able to consolidate several companies with different local currencies and different Gaaps. Intercompany transactions can be identified and eliminated Through UniQ Accounting Engine.

In addition to the standard Consolidated Trial Balance, several reports can be configured and generated through UniQ Reporting Tools.

UniQ Financial Consolidation includes the following Functions:

- Convert Foreign Currency Positions into Consolidation Currency based on the Closing Rate,
- Convert Foreign Currency Incomes and Expenses into Consolidation Currency Based on the Average Rate,
- Identify Inter-companies transaction
- Generate Elimination Bookings
- Aggregate Accounting data for consolidation purposes
- Configure Consolidation Reports
- Standard Trial balance for serval Company
- Multi-Gaap Reports for Consolidation

V.   *UniQ Sub Ledger*

A. *UniQ Accounts Payable (AP)*

UniQ Accounts Payable captures payable transactions, starting from purchasing requests to invoices and credit notes. It generates elementary events which are, in their turn processed by the Event Engine into various events for accounting, inventory, notification, and payments.

UniQ AP main functions are the followings:

- Purchasing Requests,
- Purchasing Orders
- Delivery Notes
- Invoices
- Contractual Charges
- Purchasing Journal
- VAT Report
- Supplier Account statements
- Supplier Trial Balance
- Supplier Account Reconciliation
- Integrated with UniQ FA, IM, TR and GL.
- Integration Third Party Procurement
- Integration with Third party General Ledger

B. *UniQ Accounts Receivable (AR)*

UniQ Accounts Receivable captures Receivable transactions, starting from purchasing order to the invoice. The module generates elementary events which are processed by the Event Engine into various events types for inventory, accounting, and payment.

UniQ Receivable main functions are the followings:

- Quote Request
- Purchasing Order
- Delivery Note

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- Invoicing

- Contractual Receivables

- Credit Memos

- Receivables journal

- Customer Account statements

- Customer Trial Balance

- Customer Account Reconciliation

- Integrated with UniQ-FA, IM, TR, and GL

- Integration Third Party Procurement

- Integration with Third party General Ledger

C. UniQ Fixed Assets (FA)

UniQ Fixed Assets captures inventory events from the Event Engine to updates the Asset Register. These events are derived from buy and sell transactions occurred in UniQ Payables or UniQ Receivables.

UniQ Fixed Assets provides multiple amortization methods and other maintenance functions such as Revaluation, Impairment, Transfer, and Write off.

UniQ FA main functions are the followings:

- Fully Integrated with UniQ AP, AR, and GL,

- UniQ FA can be easily integrated with third party General Ledger systems,

- Automatic update of the Asset Register Table,

- Automatic amortization calculation and bookings,

- Fully automated process for revaluations, impairments, and writ off processes with booking events and journal entries,

- Insurance and other maintenance notification events,

- Periodic Fixed Asset Variation report by Item,

- Capital Expenditure report,

- Fixed Asset journals,

- Code Bar Writer and Reader

D. UniQ Inventory Management (IM)

UniQ Inventory Management captures stock movement events from UniQ Event Engine and updates the stock register. These events are originated from UniQ Payables, UniQ Receivables, or any third party solution. In Addition UniQ Inventory Management provides Revaluations, Impairments, and Write off functionalities.

UniQ IM main functions are the followings:

- Fully Integrated with UniQ Core, AP, AR, and GL.

- UniQ IM can be easily integrated with third party core banking, General Ledger, Procurement, or Production systems,

- Automatic update of stock register,

- Real time booking of Incoming and Outgoing item movements based on elementary business events.

- Valuation of stock items at the Average Cost,

- Maintenance operations such as inventory, item transfer between stores, impairment, and revaluation,

- Monthly Inventory Item variation reports,

- Inventory stock report by item

- Inventory Items analysis by categories

- Bothe inventory methods; intermittent and permanent are available,

- Code Bar Writer and Reader is also available

E. UniQ Payroll (PR)

UniQ Payroll maintains Employee profiles and salary configuration. The monthly payroll process can be calculated as many time as required. Once approved, Payroll Elementary Events are generated. UniQ Event Engine will then produce events for payroll accounting, and salary payments.

UniQ PR main functions are the followings:

- Employee profiles maintenance,
- Salary configuration by employee categories,
- Salary configuration by employee,
- Capture of variable monthly salary items,
- Configurable tax calculation table,
- Monthly Pay slip
- Annual payroll report
- Vacation Maintenance by employee,
- Vacation calculation and Provisioning,
- Payroll events, Journal, and Payment,
- Withholding Tax report,
- Payroll notification events,
- UniQ PR is integrated with UniQ TR, HR, and GL, and can be integrated with third parts solutions.

F. UniQ Human Resources (HR)

UniQ Human Resources includes multiple configurable functions such as employee job and career management, job satisfaction survey, training, rewards, activity and task allocation, expenses management.

UniQ HR main functions are the followings:

- UniQ HR is Fully Integrated with UniQ PR and GL. It can be easily integrated with third party systems,
- Survey questions can be easily configured,
- Training path are configurable,

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- Career management,

- Company processes are defined into activities and tasks,

- Activity and task allocation and follow up,

- Expenses reports, management, and payments.

G. UniQ Treasury

UniQ Treasury receives Inward and Outward payment events from UniQ Event Engine that are received in their turn from UniQ AP, PR, HR, and AR. It builds actual and forecasted cash positions. The treasurer can perform several payment functions. UniQ Treasury offers also Foreign Currency revaluation mechanism.

UniQ TR main functions are the followings:

- Fully Integrated with UniQ AP, AR, HR, PR and GL,

- Can be easily integrated with third party solutions,

- Automatic generation of scheduled payments,

- Payment authorization based on user role,

- Payment management action such as modification, aggregation, break down, etc.

- Forecasting future cash positions,

- Foreign Currency position movements,

- Foreign Currency Position Revaluation,

- Revaluation Reports,

- Unrealized Gain & Loss Bookings

- Treasury Journals,

- Loans and Deposits Cash Flow capture

- Reclassification Events for loans and deposits

- Bank Account Reconciliation

VI.   UniQ System Administration

UniQ System Administration includes several functions that help our clients managing UniQ Solutions. It includes the following functions:

A. UniQ Securities

- Managing UniQ Applications and License Codes,
- UniQ Security Control System by creating the different user profile, defining roles, and providing access rights,
- SMS and email Notification
- Business Unit creation and main parameters
- Data Transfer between Business Units
- Enquiry Builder
- Tracing and logging transactions
- Release Upgrades
- SQL Stocked Procedure configuration

B. UniQ Intégration Framework

UniQ Data Integration includes different components to import Financial Data from third party system;

     i.   *Static Data such as Currency Exchange, Customer Data, etc.*

     ii. *Accounting Data, such as Balance Sheet and Income Statement Data from Core Banking Systems*

     iii. *Transaction Data such as Forex and Money market Contracts as well Securities Positions*

   iv. Addition Journal Entries such as adjustments or other bookings from third party systems

The data integration Tool includes an exception handling tool.

C. UniQ Process scheduler

UniQ Process Scheduler is used define and run process and tasks automatically manually or both. Processes can be defined for several purposes:

   i. To run execute data importing task both Data Integration Tasks such as journal entries, Contract or Customer Data,

   ii. Accounting Engine Rules such as Capital Cost calculation, Elimination Booking for consolidation, Revaluation, etc.

   iii. To run Specific Processes related to end of day, month or years Accounting Periods.

   iv. Or Any other Reporting Process such as Regulatory Files

VII. UniQ Professional Services

UniQ Soft Technology offers professional services to help its customer using UniQ Financial Solutions in the most effective and efficient way. It offers technical and functional consultancy services, training, onsite and online support.

A. Consultancy Services:

Professional services are provided by the implementation team, composed of technical and business professional consultants who have been involved in the design and the development of UniQ Financial Solution.

B. Service Partners:

UniQ Soft Technology works with multiple partners in many countries. All partner consultants technical and functional are trained and certified with our products. Partners can be engaged in implementation projects.

C. UniQ Training:

Knowledge transfer is provided via Functional and Technical Training in the following forms:

Standard training is preconfigured class course delivered for users and key users at every implementation before the testing phase.

Bespoke Training is defined based on the customer requirements. It's delivered for a single or group of persons at any time. Both training classes are provided either on site or in UniQ premises.

D. UniQ Support:

Support is provided by UniQ support consultants during working hours, business days, all year long. Users can log their issues through UniQ support portal.

E. Release Management:

UniQ Soft technology issues two types of releases; Minor Release is issued on demand. It aims to fix bugs and improve performances. Major Release is issued yearly. It aims to provide additional functions & features. Both releases are for free download from UniQ Support Portal.

VIII. Contacts

UniQ Soft Technology

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