



Web based ERP - Exclusively for construction industry

SoftTech - Leaders in the Civil Engineering Software Solutions

SoftTech Engineers Pvt. Ltd. is an ISO 9001:2000 certified professionally managed company engaged in development of software products and IT solutions specific to civil and construction industry. A sure value addition to any Consulting Engineer, Structural Engineer or Construction Organization; these software products and solutions have assisted many Educational Institutes for academic objectives and Government Departments to computerize their activities.

Quality Policy

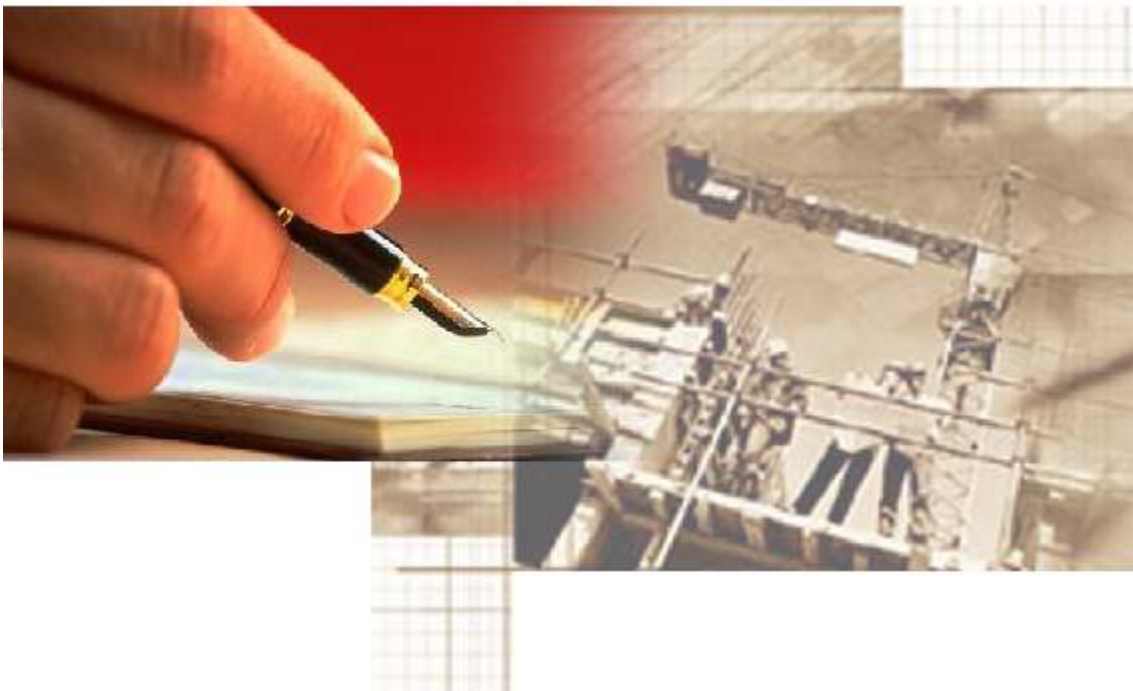
At SoftTech Engineers Pvt. Ltd, We strive to ensure customer delight through practical software products and solutions for the use of Construction Enterprises, Builders, Architects, Structural Designers, Contractors, Educational Institutes and Government Organizations by way of continual improvement of system, activities and product quality by implementing the Quality Management System having an international recognition.

Customer Service Policy

We are committed to provide after sales service & technical support to our customers with all possible means of communication against lowest possible costs.

Our Mission

To provide international quality software Products and Solution at lowest prices thereby assisting Civil Engineering fraternity in computerizing all manual activities of construction organization right from conception till final execution and delivery so as to reduce time, manpower and cost.



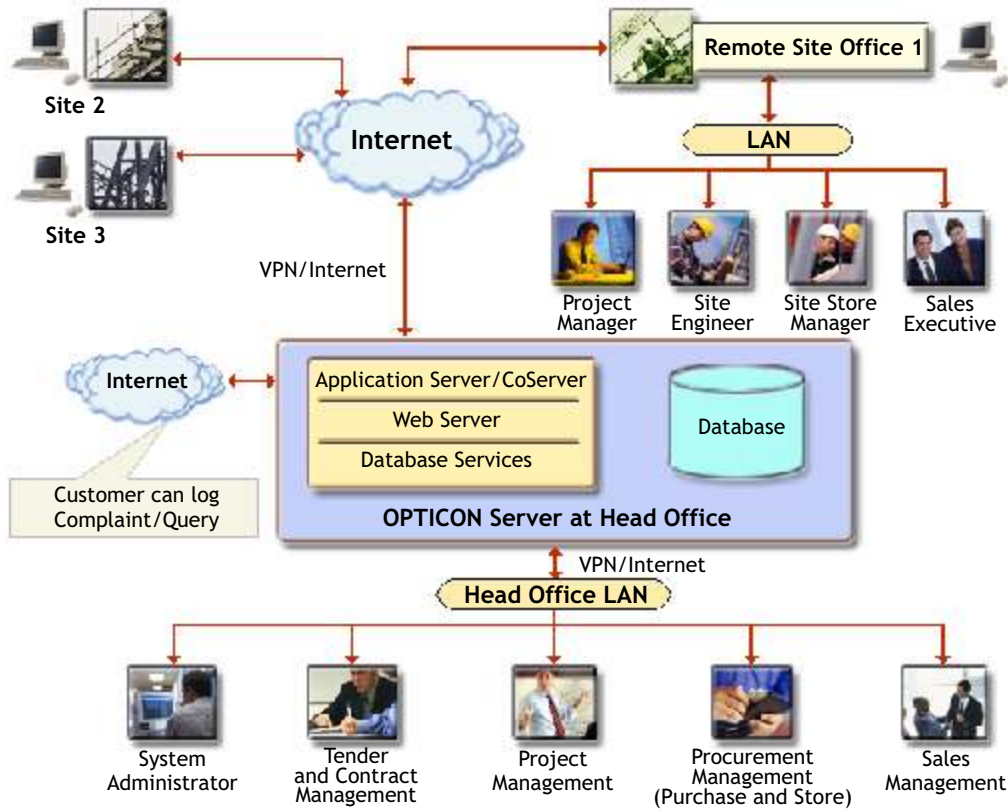


OPTI(mizing)CON(struction) is web based ERP system exclusively for construction enterprises with in-built Decision Support and Management Information System. Leveraging full strength of Web technology OPTICON connects sites located at remote places to head office. OPTICON process streaming system can help construction enterprises getting ISO certification.

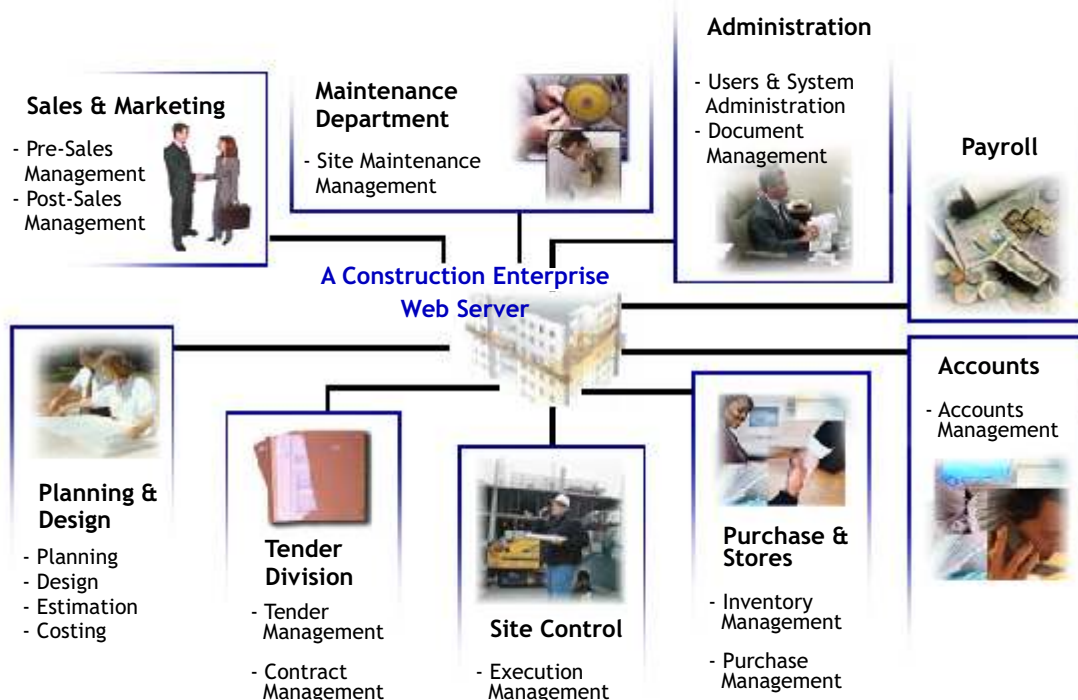
**Web Based Complete ERP and Decision Support
system for Construction Enterprise**

OPTICON - Data Connectivity Architecture

OPTICON connects sites to the head office using internet/VPN of the organization. The sites are directly connected to HO for real time data transfer.



OPTICON - Modules



OPTICON - Salient Features

OPTICON optimises every process a construction enterprise has to go through for better management of the entire construction cycle.

- Planning and Structural Design.
- Automatic Computation of Quantities from Building Plans.
- Estimates with connection to items of Schedules Of Rates.
- Measurement Book and Billing.
- Complete Rate Analysis of SOR items.
- Budget Management.
- Tender Management and Bidder Analysis.
- Subcontract Management.
- Project Scheduling (seamlessly Integrated to MS Project).
- Resource Requirement and Allocation based on availability.
- Project Monitoring including Daily Reports.
- Status automatically computed and displayed based on Daily Reports.
- Site Inventory and Purchase.
- Site Inspections.
- Cost Centre Management.
- Payroll Management.
- Pre and Post Sales Management.
- Audit Trail (who did what?, When?).



OPTICON - Major Benefits



- Supports multiple groups of companies.
- Provides connectivity of various sites to the HO and online information is available all the time.
- Project quantity estimation and planning automatically generated from graphical plans and also AutoCAD drawings.
- Tendering, Billing, Project Management and resource allocation.
- Daily reports and work progress monitoring.
- Provides valuable feedback to research wing of Construction Group.
- Increase the visibility of senior officials. Send Alert if delay in site activity or when material stock level is low.
- Customer Relation Management System.
- Document Management System.
- Helps to take right decision at right time.
- Helps for optimum utilization of available resources.

OPTICON - Decision Support and Management Information System

MIS Reports

- Consumption of different types of resources.
- Category-wise Cost Break up.
- Monthly Cash Flow statement.
- Planned Vs Actual Progress.
- Estimated Vs Actual Consumption.
- Periodical Resource Requirement.
- Cumulative Material Receipt.
- Cumulative Material Receipts vs Consumption.
- and many more...



User and System Admin



- Defines Organization hierarchy including Departments and Designations.
- Access Security Privileges assigned based on the Organization hierarchy.
- Defines Approval Work Flows of different processes.
- Site and Day Book Access control.
- Security privileges include access to Operations and Processes.
- Defines employees with the department and designation.
- Global data records (Masters) at the company level, which are subsequently used by other modules during Processes and Transactions.
- Detailed Employee Information is maintained.
- Configurable Document Numbering.

Engineering

- Quantities are automatically generated from AutoCAD drawings or plans created through in-built Graphical Building Generator.
- Supports any number of Schedule of Rates and its items being classified under Works, Work Head and SOR items.
- Powerful Rate Analysis features.
- Preparation of Estimates and project execution Schedules.
- Tender management including bidder comparison using sensitivity / ABC Analysis.
- Sub-contracting includes, RFQs, Workorder Measurement Book, running bills, labor bills, Advances.
- Requisition based on activity wise resource requirement.
- Daily reports created and mapped for actual progress monitoring.



Tender and Billing Management



Tender and Billing Management module of OPTICON is Web based system to prepare and submit tenders by processing BOQs received from client and manage bills to the client once tender is awarded.

- Capture BOQ as supplied/published by Client.
- Maintains the Bill/Tender information, allows user to define the additional Information attributes and Consultants Information.
- BOQ Items can be classified under Sections, Pages, and Collections.
- Support Import and Export of BOQ in Excel.
- Items could be mapped to the Standard Library Items to pickup Rate Analysis and Resource Requirements.
- Tender specific Rate Analysis can also be performed.
- Items can be divided into Request For Quotation (RFQs) for Subcontracting, for Quotation Processing.
- Resources Rates from Suppliers can be captured.
- Allows to process the tender by applying discounts on Items and Resources or adding profits.
- Negotiation information is captured.
- Linked to Execution and Subcontracting module once Tender is Awarded; and carries all the Items, Resources and Subcontracted Quotations into execution.
- Supports definable Client Billing on Mile stones, percentage of completion of work, or value of work completed.
- Maintains information of Client Bills submitted, accepted and collected.
- Supports all the types of Client Billing; Mobilization Advance, RA, etc.

Project Management



Project Management module provides seamless connectivity of sites to head office. OPTICON provides web based communication among the entire project team including Higher Management, Project Managers, Site Engineers and supervisors to provide clear visibility and transparency during the project execution.

- Project Planning:
 - Identification of the critical Tasks or Activities that must be performed to complete the Project.
 - Estimation of the duration of the Activities.
 - Determining the logical flow of the Work defining dependencies among the Activities.
 - Finding total and Floating Floats to compute Critical Path.
 - Resource Planning and Allocation based on requirement and availability.
 - Daily Reporting with actual Measurements Bills (MB) of activity.
 - Project Tracking- Schedule adherence and the current status of a project can also be represented on graphical charts, paying particular attention to any differences from the original plan.
 - Resource Consumption and Availability Status Notification.
 - Project based Document Repository.
 - On Site Communication- Communicate the issues to the Higher Authorities and get online and instant feedbacks.
 - Requisition of Resources from Daily Reports.
 - Decision Support System:
 - Estimated v/s Actual consumption.
 - Overall Resource contribution.
 - Planned v/s Actual Progress.
- ... many other reports help making decisions.

Inventory Management



- Receipt and Inspection (MRN and GRN) of the resource at both Company and Site.
- Activity based issue of resources.
- Browser based interface for requisition and issue of material from remote site.
- Updation of the Stock on Receipt of resources.
- Generate Delivery Challan for the Rejected resources.
- Issuing resources to the Site Staff and Subcontractors for Execution of the work.
- Transfer of Stock from Company to Site and vice versa.
- Stock Transfers from Site to Site against the Pending Requisitions.
- Stock Adjustment.
- Generation of Debit or Credit Notes for Stock Transfers.
- Stock Valuation using LIFO/FIFO.

Purchase

- Indents directly linked to Requisitions from Project Plan.
- Accumulation of Indents of Resources from different site for Procurement and stock allotment.
- Generation of Request for Quotation (RFQ) for the procurement.
- Quotations Analysis.
- Generates Purchase Orders (PO) and Delivery Schedule.
- Preparation of Payment Certificates.
- Integration of Payment Certificates with Accounts.
- Advances against PO and its integration with Accounts.
- Supports both Local and Import Purchases.
- Multi Currency and Letter of Credit for Import Purchases.
- Approvals for Supplier Rates, Indents and Purchase Order.
- Inter company procurement.



Accounting Management



- Works on Multi Currencies and maintains Currency Conversion details.
- Chart of Accounts (tree) with user defined levels.
- User defined Financial Year. Site Accounting. Voucher Approvals.
- Vouchers- Internal Transfer, Journal, Purchase Payments, Contractor Payment, Bank/Cash Contra, Debit Note, Credit Note, Bank Reconciliation, Cheque Returns, etc.
- Cost Center Allocation at Vouchers and Opening Balances.
- TDS/VAT and Services Tax calculation and generates Cheque numbers.
- Generates Purchase Payment Vouchers for Payment Certificates, and Contractor Payment Vouchers for Contractor Bills.
- Generates Debit/Credit Notes for Stock Transfers.
- Maintains Letter Of Credit for Import Purchases.
- Balance Transfer and Year End Processing.

Payroll Management

- Comprehensive Payroll Information of each Employee is maintained along with change history.
- Supports definable Grades and Levels and configurable Job Types, Earning and Deduction heads, Bonuses, Overtime rates, Appreciations (performance bonus) and Alerts (deductions), Loans and recovery method for Payroll Processing.
- Pay rates and inclusion and exclusion of Earning and Deduction heads could be defined at: Global, Job Type, and Employee Level.
- Supports Monthly, and Daily basis of Remuneration Calculation.
- Payroll could be processed for; a company, location, sites, offices, department, and Employee in all their combinations.
- Supports Privilege/Paid, Casual, and Medical/Sick leaves, and leave balances could be carried forward. Maintains list of Holidays for a Payroll Year.
- Supports Salary Hold for an employee for; Earning Head or lump sum.
- Integrated with Accounts.



Sales and Marketing Management



- Pre and Post-Sales activities.
- Maintains the history of the customer Enquiries with details of the Enquiry and its followup information.
- Generates Dwelling Unit wise Rate List, Payment Plans.
- Payment Schedule based on Mile Stones.
- Maintains the Booking details of all the Unit Holders along with joint owners, Nominees and Other details.
- Graphical display for Booked and Available Dwelling Units for ready reference.
- Keeps information of Accounts Payment-Receipts status, Payment Schedule, Loan details, etc. of all the Apartment Holders.
- Interest calculations for delayed Receipts.
- Generate status and Demand Letters.
- Maintains Booking, Cancellations/Change history.
- Parking details with Rate List and Bookings.
- Payment Receipts integrated with Accounts.
- Provisions to maintain additional amount heads such as Electricity, One time maintenance, Stamp duty/registration, Extra work details etc.

Society Management

- Maintains the details of the Society or Association, Authorised Share Capital and Share Value.
- Maintains the details of the Share Holder, their-owners, Nominees, Number of Shares, Share certificate Posting and Share Transfer details.
- Maintains Auditor Remarks.
- Maintains information of the Directors of the Association or Society.



Document Management



This module assists decision makers with easy, fast and intelligent document Storage and retrieval. It also provides a repository of the project related knowledge base at a single place. Business-critical documents are preserved for years and available at fingertips with highly responsive search feature. It also facilitates automated routing of the right documents, to the right person, at the right time.

- Integrated Workflow and Approval Management system.
- Configurable document numbering convention.
- In-built workflow functions for specific processes such as Invoice processing, Indent Generation, Purchase Order, Requisitions etc.
- Generate and approve certificates and letters with printing support.
- Coordinate project information between remote offices by linking related documents.
- Project management with repository of drawings.
- Document repository based on User defined categories.
- Intelligent Searching and Archiving.
- On demand scanner integration.
- Department wise Documents classification.
- Consultant(s) drawings and documents stored with version control.
- Document Category Mapping, mapped to Business Process, such as Daily Report, QA/Inspection Report, etc, along with Various Stages of Project Execution.
- Maintains document History and Version retrieval.
- Role based Document Access Control along with Operational (View, Change, Add, Remove) Privileges.

Customer Complaint Management



Customer Complaint (Query) Management system is a comprehensive program designed to deliver service beyond customers' expectations. CQM provides MIS reports which are helpful understanding overall performance of complaint redressal system of the organization.

Designed to assist the Organization in managing relation with the existing customers.

- Enable customers to get efficient support through Web Software, allowing customer and/or support staff to post complaints and queries.
- Definable Complaint Categories along with definable Priorities and Severities.
- Track, route and manage customer complaints.
- Maintains complaints status; New/Unattended, Attended, Resolved, and Closed.
- Brings efficiency in complaint Follow-ups with Internal or External Complaint Resolving Entity.
- Helps in measuring customer satisfaction through Analytical Reports.
- All Queries/Complaints are logged and worked-on from one location.

Complete Suite of Civil Engineering Software

▶ STRUDS

Structural Analysis, Integrated Design & Detailing software for RCC and Steel buildings as per IS codes. Design of High Rise Buildings subjected to Earthquake and Wind Loads and outputs giving schedules, quantities, reports and design drawings are its main features.

▶ SEPL-ESR/GSR

Structural Analysis & Design of underground & overhead water tanks as per IS codes. Earthquake and Wind load analysis & design as per latest theory & practice.

▶ AutoDCR

Automatic scrutiny of building plans by reading AutoCAD drawing submitted by Architects to Municipal corporation and other competent authorities. Powered with BPAMS (Building Plans Approval Management system), it produces relevant reports embedded in drawings as well as in printed format.

▶ PWIMS

Works Management System is a complete integrated application for managing construction and related activities of organizations such as PWD, CPWD, Municipal Corporations and other government departments. Major modules include, Online estimation & SOR, inventory, buildings, roads & bridges, contract management, tendering, administrative & technical sanction and online project and budget management with MIS reports.



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*Check website for latest Partner information.
