



ERP | Mobility | Barcode
RFID | POS | Biometric | CCTV | PLC
SAP & Tally Integration



Ess-Matrix - A Snapshot

Welcome to the domain of Information Technology solutions.

Ess-Matrix Infotech Pvt. Ltd., is a Chennai based System Integrator, an IT Software and Hardware solution and service provider especially in the field of Barcode, RFID, Surveillance, POS, Bio-Metric, IT Hardware Infra and software solution such as ERP system, Warehouse Management, HRMS, Quality Management System, Plant Maintenance Management System, Production Plan and Control System, Materials Management System, Asset Management System, Contract Labor Management System, Enterprise and industrial Mobility Solution, PLC and other Automation Solution etc., to all business verticals.

Ess-Matrix founded and managed by the experienced people who have ascertained extensive domain knowledge having worked in various reputed corporate houses for more than two decades and handled diverse projects in many vertical.

Ess-Matrix focuses on delivering accurate solution to their clients within the stipulated time at an affordable cost. Ess-Matrix has partnered with many OEMs to provide an innovative solution to their Clients with the latest available products and technology in order to achieve the best results for mutually rewarding propositions.

Our Vision

Our vision is to reach, secure and retain a top ranked place in our operational jurisdiction by providing quality service and maintain an enduring relationship with our clients. We make it a Win-Win strategy for the company, client and OEM through which everyone attain the best results. To be the preferred and safest work place where employees can enrich their knowledge, express their views and live a balanced life.



Our Mission

We understand our customer's requirements precisely, design, develop and provide a comprehensive solution using the best available technology in the field of Barcode, RFID, Bio-Metric, Software development, Enterprise & Industrial mobility, Android Apps, POS and Digital Signage for all business verticals and become a reliable & affordable technology partner by providing world class exceptional solution to our esteemed clients.



Enterprise Resource Planning (ERP)

- ✓ Export reports in PDF & Excel format
- ✓ Automated e-mail & SMS
- ✓ Integration with third-party ARS
- ✓ Integrated with Barcode, RFID & etc.
- ✓ Analytical reports with Graphs
- ✓ User defined reporting system
- ✓ Pre-defined Work flow system
- ✓ Web based for Windows
- ✓ Multiple Corporate & companies
- ✓ Can work LAN & Cloud
- ✓ User level authentication
- ✓ Multi-level approval
- ✓ Automated transaction posting
- ✓ Pre- defined alert system



Modules of our ERP

- ✓ GENERAL MODULE
- ✓ MATERIAL MANAGEMENT
- ✓ PRODUCTION
- ✓ QUALITY MANAGEMENT
- ✓ PLANT MAINTENANCE
- ✓ HRMS
- ✓ SALES & DISTRIBUTION
- ✓ FINANCE & COSTING



Traceability System

Traceability has become a critical requirement in manufacturing industries for many purposes. Management wants to know / trace down the details of raw materials used, production batch details, people involved in production and RM supplier for any particular FG. It helps the management to recall the products that were supplied in the market for the use of general public in case of manufacturing defects. A proven tracking and tracing system is essential in highly regulated industries such as medical, food & beverage, aerospace, defence and automotive. It has also become a vital tool for all manufacturers, across all industries to gain greater control over product and process quality and to respond customer demands.



Vendor Management System

Vendor Management System, often referred by many names like Vendor Portals System, supplier portal system, ASN Portal System, etc. Vendors are the one who supplies material to the company. The Company and the supplier used to contact each other for many reasons such as sharing POs, supply schedule, shipping notification, QC Status, Stock status, KYC details, GRN status, Payment status, etc. Current Manual process of sharing documents, sending mail, requesting & replying with data are dependent and tedious to manage & monitor. This system ensures the whole interaction between the company and supplier happens flawlessly. There would not be any dependency of any individuals. Both the Company and the supplier can access the system to upload and to get the required details, data & documents from the portal / system.



Warehouse Management System



Warehouse is the place where materials, be it Raw Materials, Finished Goods, Maintenance Tools, Consumables etc. are handled. WMS process starts from PO Creation, flows through GRN entry, QC Entry, Barcode Label Printing, Put Away, Request, Pick list generation, FIFO Based issue, MRN, and ends with generating required MIS report. Implementing a comprehensive WMS makes sure that the processes are followed in an effective manner. Also, WMS can do rack management and follow FIFO process while issue of Raw Materials to Production. Ess-Matrix Infotech provides a comprehensive Warehouse Management System along with barcode, RFID & other technological hardware products.

Human Resource Management System

HRMS is all about managing staff, employees and labors of an organization of any kind. HRMS starts from employment and ends with Full & Final settlement. HRMS also deals with time & attendance, pay roll management etc. In simple, HRMS manages complete life cycle of each employee. Cloud technology, Smart Phone, Tablets, and Touch based KIOSK are taking employee management to the next level in using HRMS and giving them the new experience. We at Ess-MatrixInfotech provide HRMS in all forms of technologies. Ess-Matrix also provides hardware item which automates many process of HRMS such as Bio-metric device, Plastic ID card printer, Smart Card / Proxy Card, Smart card reader, Door access control system, Mobile HRMS, Touch based KIOSK for employee self service.



Contract Labor Management system



Industries face lots of problem when they hire labors from contractors. Labor turnover ratio also goes up when labors are hired. Organizations appoints contractor for the supply of labors to avoid many issues. Company has to keep an eye on classified labors not being selected once again sent by any another contractor. CLMS plays a major role in eliminating these problems. Ess-Matrix provides a comprehensive solution for the management of Contract Labor. It covers from registration, ID Card Issue, Preventing classified labors, Time & attendance. It integrates with any ERP, HRMS system. Ess-Matrix also provides Bio-Metric Readers, barcode printer & scanner, self-service Kiosk, hand held terminal, camera, printers etc.

Yard Management System

Yard Management System helps the organization to track & monitor the movement of vehicles such as trucks, trailers and any other vehicles with in the campus, facility, warehouse, distribution center. When an organization receives huge number of vehicles for loading and unloading the materials, it is high time to have a dedicated yard management system to schedule, direct, coordinate, monitor and track vehicles. YMS makes the job easy for the people involved in managing inbound and outbound materials & vehicles. Right from the vehicle enters through the in-gate and till the vehicle goes out of the campus through the out-gate, all activities are recorded, displayed, notified and update all the concerned team member. Ess-Matrix Infotech provides a comprehensive yard management system along with hardware equipment such as barcode & RFID products.



Trolley & Bin & Pallet Management System

Industries use huge number of Trolleys / Bins / Pallets to store & transport their goods. Trolleys are considered one of the biggest assets of the company which requires proper use, monitor, manage, and maintenance. Management wants to know details about trolleys availability, maintenance schedule, equal usage among trolleys & life history. Failure of these may cost huge to the companies. Ess-Matrix provides a comprehensive solution for managing, maintaining and monitoring Trolleys / Bins / Assets with Barcode / RFID technology. Ess-Matrix also provides necessary hardware items such as Metal barcode Tags, Barcode Printer, barcode scanner, RFID Tags & Reader, hand held terminal, etc., as a bundle offer with Trolley management system.



Asset Management System

Asset management refers to a system that records, monitor and maintains things of an organization. An organization may require variety of assets such as vehicles, computer peripherals, furniture, electronic and electrical fixtures, production machineries, maintenance tools, security tools etc. All these assets have to be managed with proper accountability. Ess-Matrix provides comprehensive system to manage assets of an organization. This system covers sourcing, tagging, assigning, deploying, utilizing, maintaining, movement and scrapping of assets of an organization. This system integrated with Barcode & RFID for tagging, tracking, auditing and reconciliation. Ess-Matrix also provides barcode printer, scanner, hand held terminals, RFID Tags, readers etc.



Visitor Management System

Growing number of visitors, suppliers, service providers attracts more threats to organizations, factories, Hospitals, corporates etc. Managing visitors have become tedious job for front-office executives. Visitors have to be restricted to visit only to the assigned place and people and also have to be available inside the premises only during the prescribed time period. Corporates, factories, hospitals, organization are in need of a system to record, manage, track and report the movement and activity of visitors, suppliers, vehicles, materials etc. Ess-Matrix provides a comprehensive system for managing visitors, vehicles, materials and fits for any small, medium & large organization with single or multiple entry point. We also supply barcode printers, scanners, hand held terminals, finger print readers.



Customized Software solution

Any business organization may require a completely tailor made software solution that is built for a particular purpose unlike a readily available software solution such as ERP, WMS, HRMS, etc., is called a customized software solution. A custom software solution may be required for any department of an organization / industry. These solutions can also be integrated with existing systems like SAP, ERP etc. Ess-Matrix Infotech provides customized solution by studying the requirement and designing the solution according to the requirement. Ess-Matrix Infotech provides customized software solution for Desk Top application, Web based Application, Android and Windows based mobility solutions, solution integrated with any PLC machines and for more areas.



Barcode & RFID Solutions

Barcode and RFID technologies have become a vital and an inevitable tool for automating the manual process happening in almost all the industries such as Manufacturing, Retail, Healthcare, Food & Beverage, Aerospace & Defence, Chemicals & Pharmaceutical, Automobiles, Courier & Logistics, Warehousing and much more. Barcode is being used in material handling, WIP handling, MRP Label, FIFO Process, Human Mgmt., Retail billing & much more. RFID is being used in tracking & monitoring Materials, People, Animals, and Assets etc. Ess-Matrix provides best, cost effective and customized solution in the field of Barcode & RFID along with hardware items such as Barcode Printer, Scanner, HHT, RFID Tags, Readers, etc. for a wide range of applications and industries.



Bio-metric solution

Biometric, a legacy technology & system which is used for identification and authentication is still growing, getting stronger and becoming unavoidable. Biometric includes fingerprints, palm prints, eye retina, facial recognition and voice recognition. Reading, recognizing, authenticating, store and retrieval of logs reports are parts of Biometric system. Biometric identity is unique to each individual, thus it becomes 100% reliable than other methods such as passwords, PIN, Proxy Cards & Smart Cards etc. Apart from time and attendance, Biometric system can also be used for Contract Labor Management System, Access Control System, Canteen Management, Library Management and many more.



Digital Signage solution

Digital Signage is the modern version marketing tool in the modern corporate world. It is being used for marketing, communication, publishing, info display, awareness creation etc. Digital Signage can be found in public places, transportation systems, museums, stadiums, retail stores, hotels, restaurants, manufacturing facilities and corporate offices etc. Manufacturing industries needs to display the Stock Status, WIP Status, Safety Videos, Company Profile and much more. Ess-Matrix provides digital signage solutions to its clients with customized software and hardware equipment as a bundle offer.



Industrial & Enterprise Mobility Solution

Mobility Solution is becoming as centric and vital tool in Information Technology. The corporate world has already started implementing and reaping the benefits of enterprise mobility solutions for its business process automation. Enterprise Mobility Solution can bring and engage every organization with their employees, customers and suppliers in to a close circle and empowers all of them with accurate and timely information on the move and enable them to make a faster decision to achieve business excellence. Ess-Matrix provides tailor made mobility solution for Android & Windows to all industry verticals and for all business processes. Ess-Matrix provides solution for Mobile Phones, tablets, industrial rugged hand & vehicle mount terminals, Kiosk etc.



Guard Tour Management

Guards are the force who protects assets, valuables and ensures safety of People also in an organization. Guards are mandatorily need to go patrolling the whole campus once in a periodical time intervals during day and night hours too just to ensure that things and people are in place and in tidy. It is the duty of Management to make sure that Guards do patrolling the campus and records data by implementing a pool proof system.. Ess-Matrix provides a comprehensive solution for implementing Guard Tour Monitoring System with best in industry practice by combining barcode / RFID technologies with Web Based and Mobility Solutions. Ess-Matrix also provides necessary hardware items such as Barcode Tags for locations, Mobile PDA devices, etc., as a bundle offer with Guard Tour Monitoring System.



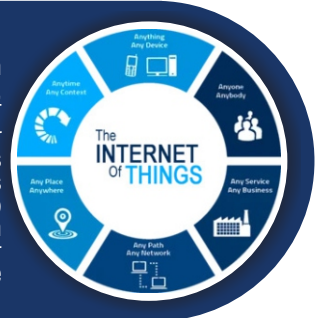
Mould / Tools Management System.

A Mould is an important tool used to produce plastic parts in any plastic mould injection industry. Such an important tool has to be given enough monitoring life and maintenance to ensure that it produces the plastic Parts with finest quality, failing which will lead to quality issues in parts. This process starts from taking daily shot count to generating maintenance alerts and MIS Report and much more activities. Inventory maintenance of spares, tools and consumables is also an important activity in this process. Ess-Matrix Infotech provides a comprehensive solution for implementing Mould Maintenance System with best in industry practice. Ess-Matrix also provides necessary hardware items such as Barcode Printer, Barcode Scanner, Metal barcode Tags, RFID Tags & Reader, Hand Held Terminal, etc., as a bundle offer with Mould Maintenance Management System.



Internet of Things

The Internet of Things (IOT) is a process where seamless integration of technologies happens to collect data from various machines, Sensor, devices etc., make sure it is available 24 * 7 and present in smart way. IOT devices can be connected with any machines PLC, Sensors or any other devices. IOT technology can be used in various industries, such as manufacturing, transportation homes institutions, and much more business vertical. It collects data in micro level and presents the same to make a macro level decision and to achieve our desired goals, growth. Ess-Matrix Infotech provides IOT and IIOT solution for manufacturing industries and other business vertical also. we provide IOT devices along with customized software solution as a project.



Programmable Logic Controller PLC

PLC is a digital computer that can be programmed to control manufacturing processes, robotic devices, assembly lines and other units that require process fault diagnosis. PLC's have been implemented worldwide as highly reliable automation controllers that are suitable for rugged environments. Ess-Matrix Infotech can upgrade your manufacturing equipment with new PLC controls and software or troubleshoot your existing PLC-related problems. As such, we continue to take the initiative in PLC design to develop cost-effective solutions and suitable PLC design methods for continuous improvements, including: Improve productivity, Increase product quality, Decrease production costs, Increase flexibility in manufacturing.



Our Esteemed Clientele



Ess-Matrix Infotech Pvt Ltd.,

No.1, 2nd Floor, Janaki Nagar,
Prakasam Street, Valasaravakkam,
Arcot Road, Chennai - 600087,
Tamilnadu, India.

+91 44 4200 9037

+91 97909 37895 | 98846 37895

info@essmatrix.in | sales@essmatrix.in

www.essmatrix.in | www.essmatrix-erp.com

www.facebook.com/essmatrix.in

www.youtube.com/watch?v=1zDBdl7cwl4&feature=youtu.be

