

MODERN ERP

vs.

LEGACY ERP

And How Modern ERP Helps Manufacturers to Continue Operations during Covid-19?

HISTORY OF ERP SYSTEM

1960s

Centralized Computing Systems for Inventory Management

1970s

Emergence of Material Requirement Planning (MRP) System

1980s

Evolution of MRP-II system consisting of HR, Finance, Project & Distribution Management

1990s

Emergence of Legacy ERP systems consisting inter-functional integrations

2000s

ERP Add-ons and ERP-as a Service consisting of advanced ERP modules

2010s

Advanced cloud-based ERP systems consisting of Data Integration & Business Intelligence

MODERN ERP

vs.

LEGACY ERP

Based on combination of programming languages, Java, HTML, Bootstrap, Angular JS etc.



Based on obsolete proprietary programming languages, COBOL, ALGOL & FORTRAN

Can be installed On-premises, or on Public or Private Cloud servers



Needs to be installed on-premises only

Access ERP via browsers from anywhere via smartphones & tablets



Access ERP only through desktops and LAN connection.

Easy & time-efficient implementation due to inter linking of modules & pre-built design



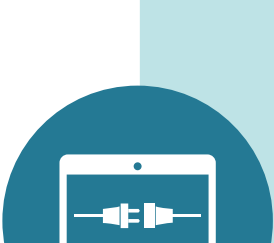
Time consuming implementation due to manual installation, integration and compatibility issues

Easy integration with Nesting, CAD, Shipping, Bar-code, RFID & machine monitoring applications



Integration limited to few functionalities due to high integration time & associated costs

Easy to upgrade as they are based on new technology & hosted on cloud



Upgrade is resource & time-consuming. Manually done on every instance & machine

Access & update data in real-time anywhere, anytime, from any device & browser



No real-time data updates. Data has to be extracted, manually worked on & shared to stakeholders

Equipped with advanced analytical dashboards and business intelligence reports



Equipped with basic data and reports that needs manual update & extraction

Can be customized as per customer requirement without much coding



Customization takes up lot of time, resources, mapping and coding

Real-time communication with suppliers, vendors, & customers. through self-service portals



Data communication restricted only via emails to stakeholders

Doesn't need a big IT team to manage the ERP. Support and maintenance costs are low



Needs a fleet of IT resources to manage the ERP. Support & maintenance costs are high

Less setup & maintenance cost and more Return on Investment (ROI)



Increases maintenance cost & slows down enterprise growth

Can be scaled to any level irrespective of no. of branches, units, departments etc. in less time, costs & efforts



Scaling up is difficult as it will involve a lot of manpower, man hours, time, costs and efforts

MODERN ERP & ITS BENEFITS IN TIMES OF COVID-19

Connect from home using remote connectivity & mobility features



Remotely track machine status, job cycle time, downtime, performance & yield

Access sales enquiries, RFQs, product queries & respond to them online

Remotely access real-time business intelligence & analytical reports for efficient scheduling

Get real-time view of inventory levels & its movement

Conduct quality checks via phones & tablets. Instantly record & feed results into ERP

Track shop floor operations & share Work Order schedule, inventory levels, machine & labor allocation with personnel

Track labor attendance, shift schedule, job allocation, time taken for each job & utilization

Seamlessly share data and communicate with suppliers, vendors & customers

