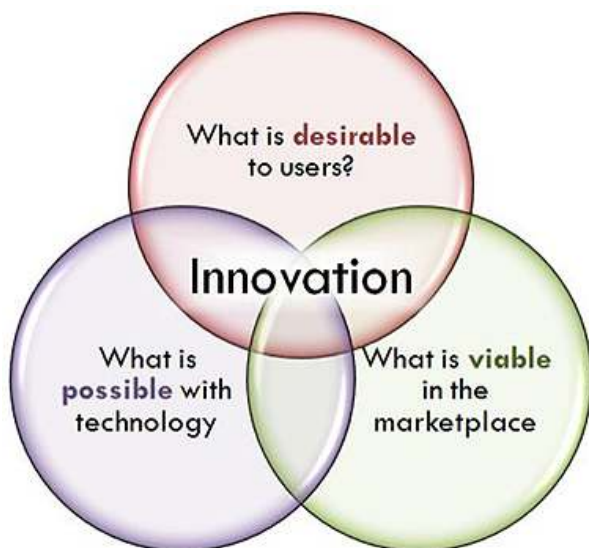




Kalpa Technologies

Founded in 2007, Kalpa Technologies is a leading global solution provider of application specific software serving the needs of factory automation, manufacturing, financial, and process industry. Successfully adapting to changing trends and challenges, Kalpa is counted amongst the leading Information Technology Services providers, based out of India. Kalpa has participated in the globally evolving IT industry, while remaining focused on continuous innovation, benchmarking & learning. Kalpa develops indigenous solutions that assure innovative excellence, unique user-friendliness, value, and support above all others.

Kalpa aims to not only meet, but exceed the expectations of our valuable customers by offering solutions that adhere to the highest levels of quality through continuous innovation. A continuous focus on satisfying customer's need with simpler, elegant and cost effective solutions and prompt customer service has helped Kalpa to establish itself and remain at the leading position in the market. Kalpa has always led the market by offering innovative solutions to its customers. Our solution and innovativeness always evolve around three basic realities: What is desirable to customer? What is possible with technology? What is viable in the marketplace?



At Kalpa, we go that extra step to understand the trends and patterns in our customers' business landscapes, which help us proactively, align our consulting and outsourcing services with the customers' business goals.

At Kalpa, while we chose the industry verticals to serve, we are also focused on the type of services we can provide based on our expertise. We chose to serve our

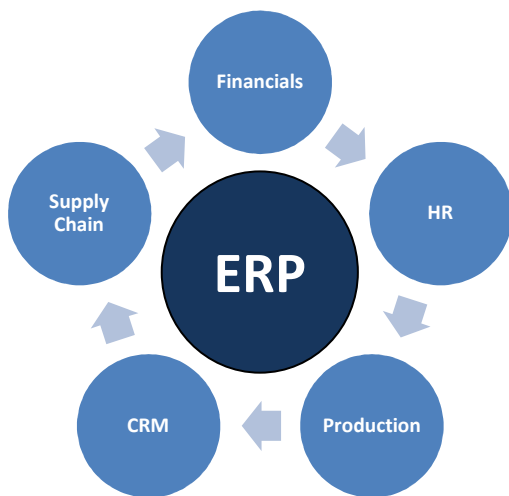


customers in the area of factory automation, ERP application, and IT services. However, if clients need one stop solution for various services like hardware sales & support, instrumentation, networking, infrastructure, system administrations, and graphic designers, we have host of associates who can chip in immediately and can work with us like one company. We have built alliances with reliable partners in these areas.

ERP Application

Kalpa's professionals are experts in supply chain management, manufacturing planning, and financials. Our professionals always keep up with changing concepts, methodology, and techniques by attending both class room and on job training to provide services to ever changing needs of the world. We always approach our client with the intention of providing best solution by understanding their business and constraints. Once understood the business and constraints we will provide solution that can resolve the business issues and requirements while minimizing constraints and cost.

Constraints could be related to client's current infrastructure, technology, or logistics. Our professionals are ready to provide the solutions based on most of the current technology and hence to help customers not to incur additional costs in terms of software licensing or additional hardware. While we can provide customized or tailor made solution to suit the customer business needs we can also suggest if there is an existing off the shelf solution that suits the client's requirement. Such off the shelf products can cost less to the client and with minor customization address the client's business requirement.



Our professionals are experienced enough to quickly evaluate and get up to the speed on any off the shelf ERP product. While we are confident on providing such diverse solutions, we also made our self specialized in Oracle EBS (e-Business Suit).

Oracle E-Business Suite

Enhance user experience, simplify IT lifecycle management, streamline installations and enable faster deployment at minimal risks are important organizational goals. Oracle E-Business Suite, an integrated business intelligence portfolio, assists organizations in realizing significant value in the near-term, by protecting existing investments, and providing immense value addition to existing applications. Kalpa provides Oracle's E-Business Suite (EBS) services, which offer organizations increased productivity and reduced costs, through a portfolio of rapid-value solutions, integrated business processes and industry-focused solutions.

Client Challenges

Transformation into a more scalable and adaptable business requires resolution of several challenges, such as:

- Acquiring an end-to-end view across all business lines, facilitating coping with business expectations and change management
- Ensuring consistent financial and operational information-driven performance, while ensuring strict adherence to timelines, schedules and budgets
- Developing customer-focused applications that are future-ready, while protecting existing investments' value
- Conducting data conversions & data cleansing and acquiring strong command over newer ERP systems
- Creating empowered employees with relevant information tailored to their roles

What Kalpa Provides

Kalpa's Oracle Center of Excellence (CoE) provides Oracle EBS services that are aimed at managing & optimizing the performance of your Oracle E-Business Environment, and related IT services. The Kalpa portfolio of Oracle EBS services includes:

- Oracle EBS Implementation
- Oracle EBS Upgrade
- Oracle EBS Support

Leveraging our significant Oracle knowledge, Kalpa's Oracle CoE has been helping clients replace older legacy systems, integrate 3rd party bolt on systems, improve business results and consequently increase return on investment.

Business Value

The Kalpa's Oracle CoE has developed sets of solution accelerators and tool kits that enable us to, increase predictability in our projects, and offer our customers multiple benefits. Some of these business benefits include:

- Highly compressed implementation/rollout cycle times
- End-to-end offerings, including consultancy on legacy systems and required applications
- Reduction in total cost of ownership
- Delivery excellence with proven experience
- Standardized processes based on proven practices
- Flexible and adaptable approach towards high degree of client satisfaction

IT Services

Services

Our engagements with clients are in the area of software design, development, implementation, support, consulting, system integration and porting of applications / products. We undertake work in these areas as turn-key projects and use state of the art development environment and tools to execute and deliver these projects. We have extensive experience in this area and hence are always on the lookout for new assignments through which we can provide enhanced business value to our clients. Our people are highly competent and are willing to go the extra mile in learning about the specific needs of our clients in order to serve them better.



The following are the services that we offer to our clients.

Application Development

This involves development of custom software, to address specific business needs of a client. We have the expertise and experience in application development on the Microsoft .NET and Oracle platforms. We have also

provided solutions on open source platforms (PHP, MySQL, Java/J2EE/JSF platforms) to some of our small and medium enterprise (SME) customers.

We also developed software application to integrate with:

1. *RFID Application*
 - Asset management
 - Inventory management
2. *Barcode Application*
 - Shipping application
 - Asset management
3. *Biometric Application*
 - Authentication Application
 - Time and Attendance Application
4. *Smart card and Magnetic card Application*
 - Loyalty card Application
 - Time and Attendance Application
5. *iButton*
 - Temperature and Humidity control application
 - Data logging application
6. *Kiosk*
 - School Management Application
7. *Android technology*
 - Buying and selling with real time interface to ERP using Samsung Galaxy tab



Application Maintenance

We understand that once an application is live (in the business operations mode), it still needs a number of maintenance activities to keep it going. These could range from providing patch-fixes to minor / major software enhancements. We are providing application maintenance services on Microsoft .NET, Oracle, PHP, Java/J2EE/JSF. However, as we understand the software

maintenance processes very well, we are open to looking at other technical areas as well.

Application Migration / Conversion

Very frequently, applications have to be migrated or converted to a different technology platform due to technological or business compulsions (e.g. obsolescence of the current technology platform and non-availability of support, inability to make enhancements to the application etc.,) We have handled various migration and conversion projects ranging from database change to a complete rewrite of the application in another programming language / computing environment.

Consulting and System Integration

Due to our deep understanding of these products, we are aware that when an enterprise decides to adopt such an application, there always arise business or technology gaps which need to be addressed. We have taken up consulting, customization, and system integration work in specific domains and product lines.

Product Engineering

We have developed products and understand the complexity of product engineering as compared with application development. An application has a customer, while a product is an idea with only prospective customers. We are open to taking up product engineering activities on Microsoft .NET, Java/J2EE and open source platforms or partnering with like minded companies, which may be looking for partners with complementary skills.

Data processing and Reporting services

We have engaged with customers, who have to handle extremely large volumes (of the order of 100,000s of records) of raw unstructured data to provide data processing and reporting services. Our services include filtering of raw data for identifying data problems, loading of raw unstructured data into appropriate data stores and providing different types of detailed and summary reports using this data as a basis.

In all the above services, we endeavor to use state-of-the-art hardware environment and software development

tools for the software engineering activities like design, coding, testing, implementation, support and porting of software applications / products. We are aware of and have worked with multiple SDLC (Software Development Life Cycle) and are willing to adopt specific methodologies based on the choices and preferences of our clients. While we prefer the project-outsourcing model, we are extremely flexible on considering other engagement models and are willing to invest time to discuss with client(s) on a suitable engagement model, which could prove to be mutually beneficial to the client and ourselves as well as reduce business risks for both parties. While we have expertise and experience in specific technology and business domains, we are willing to invest as an organization in new areas as well.

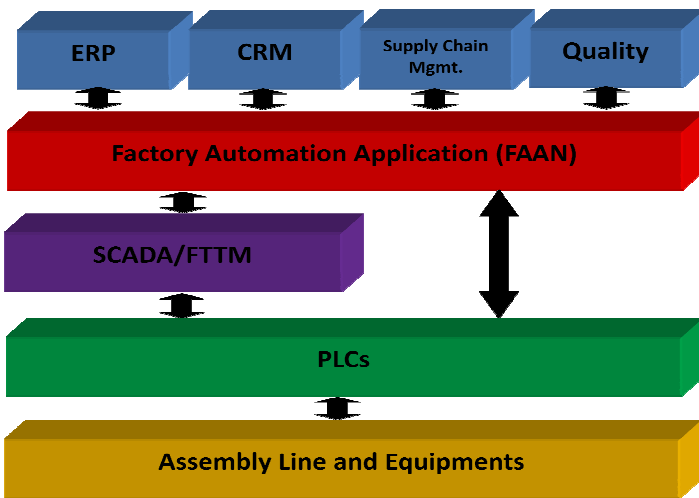
Factory Automation

In today's globalization era manufacturing industries are facing toughest competition not only in cost reduction but also in quality output, and speed at which they can deliver. In order to meet these demands more and more companies are reorganizing the manufacturing plant to introduce hi-tech equipments such as automated conveyor belts/assembly line, CNC equipment, robotic equipments such that consistent performance is expected, human intervention are less, and ensure delivery is quickest.



Now it is one thing to introduce hi-tech manufacturing, but real complexity is introduced when more and more companies are introducing customized products and expects it to be delivered at the speed of standard off-the-shelf type products. Naturally when customized or

semi-customized products (pre listed options like car seat color) are introduced manufacturing companies have dual motive. One is to reduce the investment and cost while the other is to give more options or choice to customer and deliver it just in time.



All these requirements converge when the factory automation application integrate with ERP, and can interact with PLCs that control assembly line or hi-tech equipments like CNC machines or robots. For example, Factory automation application can integrate with Bill of Material data to gather components list and operating instructions for the assembly and send that list to component picker while simultaneously sending it to the assembly operator. It can send this information to the right operator in a long assembly line by interacting with PLC and knows which assembled product is in front of which operator by reading barcode or RFID tag attached to the assembled product. Similarly, as the production happens inventory of the product manufactured can be updated, any quality inspection details can be updated etc.

We at Kalpa recently worked on number of such projects to do a synchronous communication with PLCs, MES (Manufacturing Execution System) and ERP. Please refer case studies at our website for further detail.

Why Kalpa?

We believe in virtual partnership rather than just a solution provider or service provider. We stand by our customer before and after implementation of solutions. Client success is our success. Your achievements are our milestones. Kalpa's channeled focus on its clients has made us leaders in supply chain management, financial

application, various non-ERP application architecture, Radio Frequency Identification (RFID) application, and web-application solutions.

Kalpa focuses on value creation and elimination of waste in every task. Kalpa concentrates on reliability, modularity, enhance capability in the application it designs and develops. Kalpa firmly believes in repeat of the success by taking ultimate care in planning, design, execution and documentation. For us a project is not just a job to be done, but also an opportunity for innovation and creating the wealth of knowledge. We bring you products and services that are unique in design, development and implementation.

Quality Policy

Kalpa provides its customers reliable technical and business solutions & services that will meet or exceed its customers' expectations. Kalpa's focus is always on continuous improvement in its delivery process to provide best quality solutions and services.

1. Understand the customers' business in detail before offering a solution
2. Define the detailed project plan with milestones, deliverables, scheduling, and budget
3. Use the latest and reliable technology to automate the delivery process wherever it is appropriate
4. Use quality tools to avoid any pitfalls
5. Continuous improvement by providing right training and resources to its team

Management Team

Vasant Hegde – President

Mr. Vasant Hegde pioneered Kalpa Technologies with an aim to develop innovative technology solutions for productivity and business process improvement for its clientele.

Mr. Hegde, brings in more than 20 years of experience in software application development in such diverse area like ERP, hospital management, financial institution, factory automation, project management applications to name few.

Mr. Hegde, worked for MNCs and travelled across the world and lived in multiple continents like USA, Middle East, and Asia etc. He has worked for Xerox Corporation as lead architect in Oracle EBS implementation and customization for 10 years.

Vinay Gangadhar - Associate

Mr. Vinay has over twelve years of Industrial experience in MNC's (Sr. Software Engineer at Motorola, Principal Software engineer at Lucent). In his earlier stint before Elegance Technologies contributed 3 US issued patents in the areas of Consumer electronics algorithm and hardware optimization.

He has executed complete product life cycle of few products which are currently in the market from its conceptualization, analysis, design (hardware, software and application), implementation, testing, optimization, its certification and commercial release phase he holds BE in Electronics and communication. Specialized in system integration for PLCs, instrumentation, security technologies for commercial zone, industrial zone and consumer electronics zone.

Girish Ayya - Associate

Mr. Ayya is Industrial Automation Professional and System integrator having significant experience in Customer Support function for PC based Industrial Automation, Distributed Control Systems, SCADA systems, Microprocessor based Industrial Automation Products and Implementation of Industrial Automation projects. Recognized for building teams to improve the cross functional co-operation. His experience spreads to

various automation verticals including process, discrete manufacturing, FMCG products, and chemical industries including limekiln automation.

Mr. Ayya has over 3 decades of automation experience and worked for well known companies like Yokogawa, Contech Software Ltd, IFFCO etc.

In these years, Mr. Girish made himself expert in various sections of automation industry such as project management, quality assurance, customer service management, and technical training management.

Mr. Ayya holds Electrical engineering degree with Post Diploma in Instrumentation and Control.

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