



# e-mug Technologies Pvt. Ltd.

## OVERVIEW

**Established : 2001**  
**Nature of services : Design & Engineering**  
**Quality certification : ISO 9001:2008**  
**Current no. of employees : 138**  
**Current turn-over : INR 150 million**

**e-mug** has been founded with a vision to cater to the scope of complete product life cycle. Our offerings are aimed at **Complete Engineering®** under single umbrella, by way of seamless integration of all our skills, serving various industry verticals from Design to Engineering. e-mug provides high quality engineering solutions using cutting edge technology to help customers achieve their goals of innovation, cost reduction and shorter time to market.

**e-mug** Technologies is a team of thorough professionals in the field of engineering services. We anchor our exceptional services with an overall goal for our clients achieving world-class competitive advantage. We take keen interest in understanding our clients present and future, linear and lateral needs and provide with innovative solutions in a very short time. We augment our clients engineering resources to provide them with overall business development through our engineering services to shorten the development time bringing your product to the market faster than your competitors.

**e-mug** is one of India's leading engineering service providers, catering to product development management needs of various high-end services such as, CAD/CAM/CAE, Engineering design, Manufacturing, HRMS and Training for organizations in the Automotive, Aerospace, Appliance and Manufacturing sectors.

The working system focuses on efficiency, performance, creativity and business excellence. In order to meet your business objectives, in all areas, we have established an integrated management system (EPM) applied throughout our cross-functional teams.

We team-up to share your workloads and concurrent the work execution with your engineers or suppliers. Our expertise on Product/Tool design techniques, Manufacturing, Robust modeling practices, Complete Engineering® drawings, GD&T, Production engineering, Six sigma etc makes us the prominent supplier. We strive to prove that e-mug is a renowned supplier with repeated orders of service.

### VISION

*To be the best in class, a globally renowned, technology enabled provider of high-end engineering services.*

### MISSION

*To provide best in class engineering services with high quality standards which mainly focus on Customer satisfaction through Price, Quality and Response Time.*

In achieving our vision/mission our confidence is anchored in engineers, with unraveled project management skills, which devise cutting-edge solutions for our clients' present and future needs. The management team also aligns in it a rich blend of global expertise.

## ABOUT OUR MANAGEMENT / PROJECT TEAM

**e-mug's** management has a unique quality of being technocrats who offer extra value addition to our customers. They carry decades of experience and broad skill set gained through various capacities with globally renowned companies.

The project management team has been carefully crafted by our top management to reflect the same core values those were envisioned. Our project team is a conglomeration of experience and expertise in wide range of areas like Product Design, Tool Design, Tool Manufacturing, Value Engineering, and CAD/CAM/CAE etc. We are committed to provide our clients with creative/innovative solutions for enabling our clients make a global advantage.

We are committed to continuous training and skill enhancement for our employees, to provide the best technology value solutions for our customers.



## SERVICES OFFERED

**e-mug** provides one stop solution to complete product life cycle requirements by way of seamless integration of Design, Customization, Engineering & Manufacturing solutions.

### INDUSTRY DOMAINS

- Automotive
- Appliance
- Medical Equipment
- Aerospace
- Earth moving and Heavy equipment
- General & Precision Engineering

### CAD / CAM / CAE

#### CAD

- 3D Modeling / Construction of Solids & Surfaces
- Parametric robust modeling
- Legacy data conversion
- 3D data migration
- Large Assembly management
- Detailing/Drafting with GD&T
- Dimension Management
- Cataloguing & Programming

#### CAM

- Tool path generation (up to 5-axes)
- CNC process optimization
- Machining program simulation
- Process planning of CNC

#### CAE

- Structural analysis
- Thermal analysis
- Composites
- Crash analysis
- Thermal & Flow analysis of dies & molds
- Design optimization

### COMPLETE ENGINEERING® SERVICES

#### TOOL DESIGN

- Plastic molds
- Pressure die casting (PDC) dies
- Gravity die casting (GDC) dies
- Press tools
- Investment molds
- Jigs & Fixtures
- Welding, Assembly & Inspection fixtures
- Gauges

#### PRODUCT DESIGN

- NPI
- Plastic, Sheet-metal, Casting, Forging, Rubber, Glass, Fabricated products
- Value engineering: FMEA, Brain-storming, Tear-down analysis, optimization, VAVE

#### REVERSE ENGINEERING

- Point cloud data to parametric modeling
- CMM services
- Metrology

#### PRE-PRODUCTION/PROTOTYPING

## OUR RESOURCES

- 138 employees,
- Engineers having experience between 1 year to 24 years having varied skills
- Engineers are picked from relevant industries and skill enhancement trainings are regular at us
- High-end software tools on CAD, CAM, FEM, CAE, PLM/PDM, EPM, HRMS, Accountancy etc
- High-end hardware systems covering Work-stations, Servers, Laptops, Printers, Scanners, Plotters etc
- Data connectivity having bandwidth of 4 MBPS-MPLS (VSNL & Verizon)
- EPM enabled Project management
- Data storage and back-up methods as per international standards: **Daily**-Incremental, **Weekly**-Full
- Data security measures as per international standards (Commvault)

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We are committed to **RAMP-UP** our Human resources, Software, Hardware, Tools, Premises and other infrastructure for any assured business opportunity.



# DELIVERY MODEL

**e-mug** offers Design services in the field of new product development cycle and back office design support. We present distinct models for our service delivery. We take pride in our openness and commitment to adopt to specific needs of our customers. We have suitable delivery models to match low volume/intermittent (packets of work), high volume/continuous and exclusive arrangements.

## OFFSHORE MODEL

Our Offshore Development Center is fully equipped with latest tools in the CAD/CAM/CAE, Design & Engineering industry. We form and devote teams to customer requirements with resources and facilities. Comprehensive project implementation and management is done at our offshore design center. We respect confidentiality and other norms and religiously follow the client instructions in view of our remote operations.

## ONSITE - OFFSHORE MODEL

Project execution is done Onsite and Offshore for the specific requirements of clients. Project requirements are received and pursued at on-site by our project coordinators, who in-turn communicate and act, as source of information for the offshore teams. This pattern of work execution is highly appreciated by our clients for its exceptional benefits of time saving and effectiveness. Execution of Offshore projects is same as Onsite execution of projects in regard to resources, facilities and execution model. We make sure that a team of professionals with Industry experience having rich educational background and experience will take on each project.

It's our client trust, which made us competent of developing world-class products cost effectively, and achieve by leveraging our technology strengths and worldwide resources.

## ONSITE MODEL

Good organization, success and flexibility at meeting and exceeding client expectations portray our execution method. On our clients' orientation, project execution is done at an onsite location may be at their site or at any other site, by our dedicated project implementation team, to meet customers' requirements.

## B-O-O-T MODEL

We believe in the fact that customer would always want to have a dedicated team and resources as per their standards which can be owned by them after a period of successful operation. This model will help those customers who intend to build a delivery center on their own at a different geography.

**e-mug** is willing to offer BUILD, OWN, OPERATE & TRANSFER a complete set of dedicated resources to our customers. We are committed to offer enormous level of trust through open book accounting system, joint operation and equal ownership. We ensure that the TRANSFER phase goes very smoothly with us, which might practically not possible with many service providers in India.

We have proven systems, ramp-up capabilities and working level experiences to provide quick response for those who are interested to pursue this model.

# PROJECT MANAGEMENT

- EPMS enabled for seamless connectivity between customer and our project teams
- Effective control over various steps involved from SOW creation to Project closure approval by customer
- Critical milestones cover
  1. SOW creation by customer
  2. Assigning the work to us
  3. Project Initiation
  4. Project Planning
  5. Resource allocation
  6. Dashboard setup
  7. Publish rights
  8. Discussion forum setup
  9. Additional resource requests
  10. Project baseline
  11. Timesheet setup
  12. Progress reports
  13. Approval or Rejection alerts
  14. Change Request (CR)
  15. Rework planning
  16. Efficiency reports (Schedule, Quality & Overall efficiency)
  17. Metrics
  18. SOW approvals etc
- Customer will know who is working on the task and he will be able to review the progress
- Project engineer will know his coordinator at customer and he will be able to interact through his manager
- Provision is made to have respective dashboards
- Project managers will be able to extract project efficiencies
- Timesheet management is made easy and enables transparent billing with customer
- Connects mailing server for seamless alerts through e-mails
- EPM software has been purchased from Microsoft and customized to our specific needs

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# VALUE PROPOSITION

## QUALITY SYSTEM

**At e-mug CHANGE is CONSTANT and QUALITY is our CONTINUOUS ENDEAVOR. We are resolved to provide quality services casing the Price and Turnaround time objectives of our customers.**

ISO 9001 : 2008



- Strict adherence to customer standards
- 100% inspection & regular Quality Audits
- Complete web enabled work flow
- ISO 9001:2008 certified
- Thorough, methodical employee training

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We partner the **engineering** industry as their preferred service provider. Our experience and capabilities as well as each individual's performance serve one common distinct objective. We remain different from others on the basis of our financial and technological strength. Our Strategic alliance focuses on both the product technology and its application services offered by our partners to meet the productivity and cost-savings objectives of our customers.

## OUR CORE VALUES

- Customer Focus
- Cost Effective solutions
- Rich Domain Knowledge
- Enhancing existing systems
- Service & Support
- Strict Quality Standards
- Professionalism and Ethics
- High Reliability
- Responsibility and Team Work



**e-mug TECHNOLOGIES** can meet your Engineering Design, Drafting and Analysis needs through a wide spectrum of knowledge and expertise gained over the years. We provide special attention to every element and take pride in providing customers on-time, accurate and consistent services.

We hope that we are through in unveiling our core strengths and looking forward to seek an opportunity to work with your company to demonstrate our quality services.

We look forward for mutually beneficial and successful association.

Write to us: [info@emugtech.com](mailto:info@emugtech.com)

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**WE HAVE THE COMPETENCE, PROCESSES, EXPERIENCE AND COMMITMENT TO MAKE OUR PARTNERS HIGHLY SUCCESSFUL**



Thank you