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ERP Software for

**Casting &
Foundry Industry**

Tech Cloud ERP Software Pvt. Ltd.,
is a India based Software Development Company
offering a spectrum of Information Technology,
Consulting, and Business Enhancement Services.



Introduction

The casting and foundry industry plays a vital role in manufacturing by producing essential components such as engine parts, machine bodies, gears and valves. These parts are created using various techniques like die casting, investment casting and sand casting. Managing this process from melting and molding to cooling and finishing - requires precision, timing and control. Tech Cloud ERP is designed to meet the specific needs of this industry by helping companies simplify operations and gain better visibility into every stage of production.

Industry Challenges We Solve

- ✓ **Complex Production Processes**
Casting involves multiple steps that must be closely monitored and managed to avoid delays or quality issues.
- ✓ **Inventory Management**
Keeping track of raw materials like pig iron and aluminium while ensuring optimal stock levels is critical to avoid overstocking or shortages.
- ✓ **Real-Time Monitoring & Reporting**
We provide a real-time dashboard, including solar power consumption metrics where applicable, enabling you to monitor energy use and optimize production efficiency.
- ✓ **Maintenance Planning**
Equipment like furnaces and moulds must be maintained regularly to prevent breakdowns and ensure consistent output.
- ✓ **Workforce Management**
Efficiently managing human resources is essential to improve productivity and ensure safety compliance.
- ✓ **Financial Oversight**
Tracking production costs, managing budgets and analyzing profitability helps businesses stay competitive and profitable.

Key Modules

- **Sales Management**
Handle inquiries, quotations, sales orders and dispatch efficiently to improve customer satisfaction and business growth.
- **Purchase Management**
Manage supplier interactions, purchase requisitions, orders and incoming material inspections for better procurement control.
- **Inventory Management**
Track raw materials, work-in-progress and finished goods in real time to optimize stock levels and reduce wastage.
- **Production Management**
Schedule production, manage workflows and monitor the entire manufacturing cycle from melting to finished casting.
- **Quality Control (QC) Management**
Ensure that raw materials, in-process items and final products meet set standards through systematic inspections.
- **Quality Assurance (QA) Management**
Implement preventive measures, audits and standard operating procedures to maintain consistent quality.
- **Plant Maintenance Management**
Plan and monitor maintenance activities to minimize downtime and increase equipment reliability.
- **Human Resource Management (HRM)**
Handle employee records, attendance, payroll and compliance with industry labor laws.
- **Financial Management**
Gain full control over accounting, cost tracking, budgeting and financial reporting to ensure profitability.

Key Features

- **Simple and Intuitive Interface** - Easy to use and quick to implement
- **Fully Customizable** - Adapts to your specific casting workflows
- **Integrated Departments** - Connects every part of your business for seamless coordination
- **Built-In Analytics** - Offers data-driven insights for better decision making
- **Scalable Platform** - Grows with your business whether you're a small foundry or a large manufacturer