



EPC 365

Engineering | Procurement | Construction

Modernizing EPC operations with Digital Transformation

EPC organizations face an environment of heightened complexity. From bidding for large-scale projects to execution, ensuring regulatory compliance, and delivering within tight budgets, success requires precision, agility, and foresight.

At Alletec, we combine decades of expertise with the transformative capabilities of Dynamics 365 to enable EPC businesses to navigate these challenges effectively. With our solutions, companies can integrate processes, leverage real-time insights, and enhance collaboration to deliver projects with excellence and profitability.



Challenges Faced by EPC Businesses

Tender and Bid Management

EPC projects often involve managing multi-phase tenders that demand precise cost estimation, compliance, and approvals.

Complex Supply Chains

Coordinating procurement, logistics, and inventory across multiple sites while ensuring timely material availability.

Resource Management

Balancing the allocation of manpower, equipment, and materials without overshooting budgets or schedules.

Timely Execution

Adhering to deadlines for large, multi-disciplinary projects while ensuring quality and safety.

Fragmented Data Systems

Disparate systems hinder real-time decision-making and reduce visibility across the project lifecycle.

Leveraging Dynamics 365 for Business Control

Alletec's Dynamics 365 solutions empower EPC businesses to take control of their operations through a unified, intelligent platform.

Tender and Sales Management

- Gen AI based copilots making processes for bid creation, approvals, and submission efficient and time saving.
- Comprehensive tracking of tender milestones with configurable escalation workflows.
- Personalized dashboards offering visibility into sales pipelines and bid success rates.

Project Planning

- Creating project BOQ and defining all work packages.
- Work package wise planned cost split into Labour, Material, Equipment and other expenses.
- Creation of Time Schedule and projected cash flow. Build cost performance (CPI) and Schedule performance (SPI) indicators.

Project Communication Management

- Efficiently manage multi stakeholder communication with inbuilt templates and configurations for Alerts, Notifications and escalation matrix.
- Multiple channels of communication – email, phone calls, messaging platforms, teams and maintaining interaction log.
- **ProActivate** is an accelerator built on Business Central as an extension to cater to requirements of communication management. It is published on Microsoft Dynamics AppSource.

Project Procurement & Vendor Management

- Vendor evaluation and onboarding through vendor portal makes the process digital and enhances vendor experience.
- Automated generation of the purchase requisitions basis project BOQ and project progress, inviting vendors for bidding, AI based quote comparison and approval workflows
- Budgetary controls, value and volume based multi-level approval through email without logging to ERP, enables optimal supply chain management.
- **P2P 365** is an accelerator built on Business Central as an extension to cater to requirements of procurement and vendor management. It is published on Microsoft Dynamics AppSource

Quality & HSE (Health, safety and environment)

- Inspections and test plans (ITP's).
- Equipment and Issuance Register, Incidence reporting and management.
- Audits and NCR's.

Project Financial Management

- Real-time tracking of project costs and revenues with advanced analytics.
- Progressive / RA Billing with Advances and retention management, WIP accounting and revenue recognition
- Multi-currency support and management of exchange rate fluctuations, Intercompany transactions, Legal and MIS purpose consolidation of accounts.

Accelerating Execution with Precision



Pull Off Projects in Shortest Time

Alletec's solutions reduce execution timelines through:

- Advanced project scheduling and task prioritization dashboards.
- Integrated workflows that ensure seamless collaboration between stakeholders.
- Dynamic rescheduling capabilities to address unforeseen delays efficiently.



Monitor Timelines to Accelerate Custom Deliveries

- Track project progress against predefined milestones.
- Mitigate risks with **AI-driven predictions** for potential delays or resource bottlenecks.
- Real-time communication and alerts for task updates and approvals.



Optimize Resource-to-Project Assignments

- Assign the right resources based on skill sets, availability, and project requirements.
- Monitor resource utilization and adjust allocations dynamically to avoid inefficiencies.
- Generate actionable insights into workforce productivity using embedded analytics.

Driving Collaboration with Microsoft Technologies



Collaborate Solutions - Maximize Effectiveness

- Use Microsoft SharePoint and Teams to foster collaboration across project teams.
- Enable centralized access to project documents, task updates, and compliance reports.
- Streamline communication with external contractors and clients using integrated tools.



Copilot for EPC

- AI-powered copilots assist in task management by generating schedules, drafting emails, and preparing reports.
- Automated recommendations for resource allocation and procurement optimization.
- Summarized project updates and status reports for stakeholders, reducing administrative burden.

Enhancing Project Manufacturing Capabilities

○ Streamlining Custom Fabrication

- Enable precise scheduling of production orders for tailor-made components.
- Track material consumption and inventory levels to avoid disruptions.
- Integrate **subcontractor management** to align external production schedules.

○ Improved Cost Control

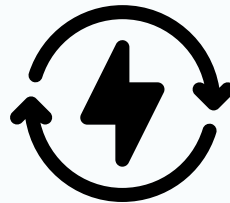
- Automate the accounting of scrap and production losses.
- Practice **Just-in-Time (JIT)** inventory management to reduce carrying costs.
- Leverage AI-powered tools for demand forecasting and pricing adjustments.

Industry Segments Served by EPC365



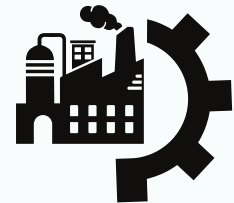
Infrastructure Development

For a leading infrastructure company, Alletec implemented an end-to-end solution for tracking progress across 50+ highway and bridge projects. Result: Reduction in delays and improved regulatory compliance.



Power and Renewable Energy

Alletec automated procurement and supply chain processes for a solar energy provider, reducing procurement delays achieving a faster time-to-market for new projects.



Project Manufacturing

Integrated subcontractor management for a piping manufacturer, aligning external schedules with internal production timelines and achieving on time customer order delivery.

Asset and Workforce Optimization



Asset Management

- Schedule preventive and corrective maintenance to ensure 24x7 uptime for critical equipment.
- Monitor asset performance using **IoT and predict potential failures** with AI insights.
- Maintain a comprehensive database of equipment history, warranty details, and spare parts inventory.



Workforce Optimization

- Automate HR processes, including recruitment, appraisals, and payroll.
- **Map employee skills to project requirements** for optimal task assignments.
- Track workforce productivity using role-specific dashboards.

Transformative Insights with Data and AI

Predictive Analytics

Anticipate **project risks and optimize schedules** using machine learning models trained on historical data.

Business Intelligence

Leverage **Power BI dashboards** for EPC projects to monitor KPIs like cost-to-completion, profitability, and vendor performance in real-time, enabling actionable insights.

AI Recommendations

Receive **automated suggestions** for cost-saving measures, resource reallocations, and bid optimizations.

Why Alletec?

With Alletec, EPC businesses can unlock their true potential. From bid to execution, we provide the tools and insights needed for operational excellence.

Trusted Expertise

Decades of experience delivering tailored solutions for the EPC sector.

End-to-End Support

From consultation to post-implementation services, we ensure sustained success.

Brand Promise

Agile

Quick on our feet

Responsive and Flexible

Hybrid-Agile methodology

Affordable

Optimized ROI

Sustainable Pricing Models

Value Without Compromise

Accountable

Commitment to Outcomes

Transparent and Reliable

Partner Beyond Projects

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