



# Manufacturing Execution System [MES]

A cloud-based software that transforms shop floor operations and unleashes production efficiencies

Architectural Millworkers | Sheet Metal Fabricators | Furniture Manufacturers





# Are you a small or medium sized manufacturer facing these challenges?

- **Manual production scheduling** without visibility into processes
- **Integration gaps** between purchase, production and sales data
- Issues in **item traceability** across production stages and locations





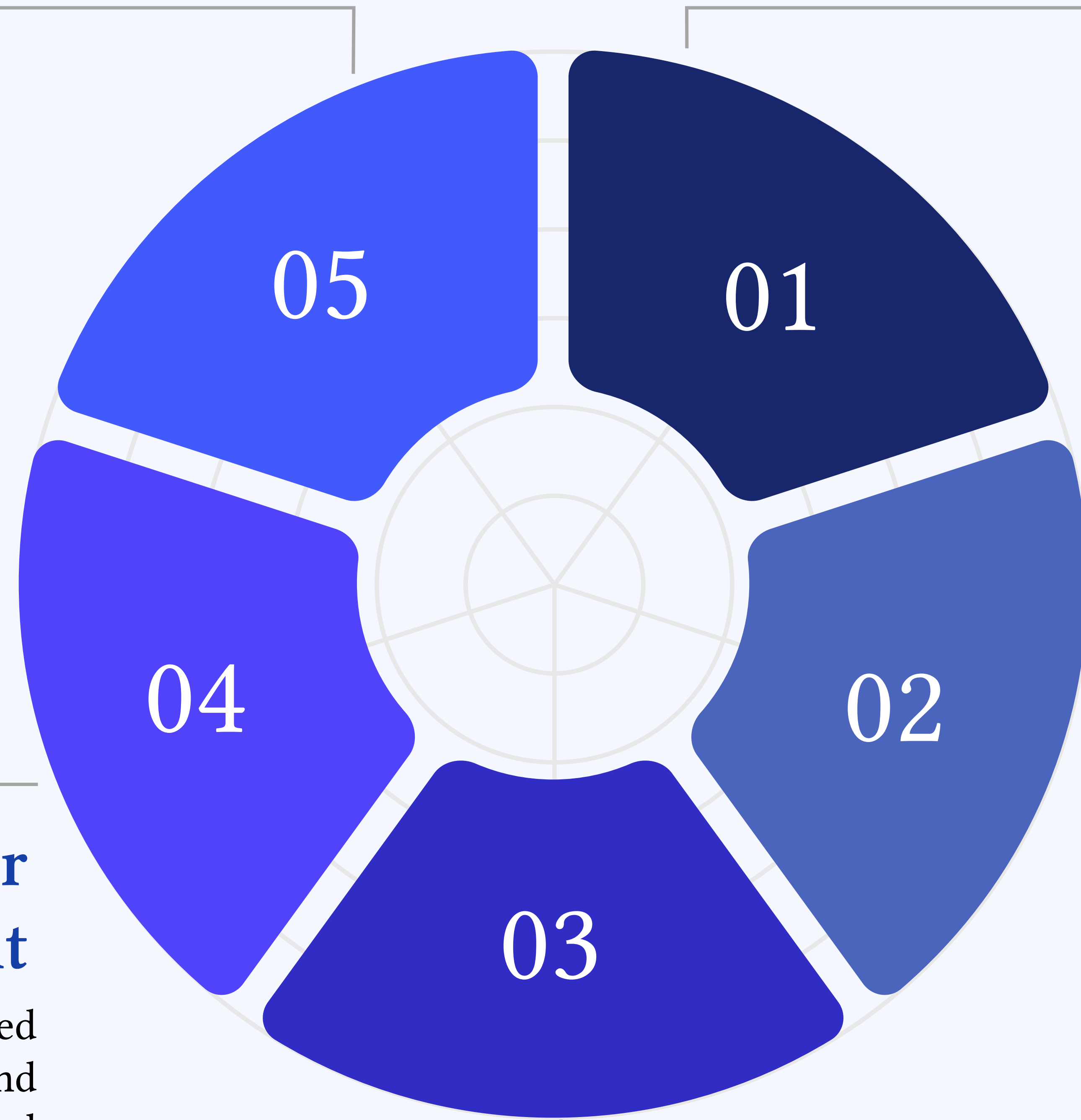
# Start seeing results in 90 days

## Predictive Maintenance Management

Leverage advanced analytics to track key machine metrics and proactively identify issues, schedule preventive maintenance, and avert costly machine breakdowns. Keep a log and structured record of all machine related issues and documentation for further analysis.

## Purchase Order Management

Auto-generate POs using standardized templates and triggers and sand expedite approvals using streamlined workflows. Set up a seamless, well-coordinated and transparent procurement process.



### CORE MODULE

## Production Planning & Scheduling

Use logical workflows to plan, prioritize and schedule manufacturing orders. Proactively eliminate bottlenecks to optimize delivery timelines and enhance overall operational efficiency.

### CORE MODULE

## Production Tracking & Shop Floor Visibility

Gain 360° real-time visibility into your shop floor operations. Know 'what' is 'where' at 'what' time on the shop floor and maintain complete traceability for compliance purposes.

## Inventory Management System

Foster a lean environment by improving end-to-end material visibility across warehouse and ensure timely release of materials, minimizing costs and wastage.

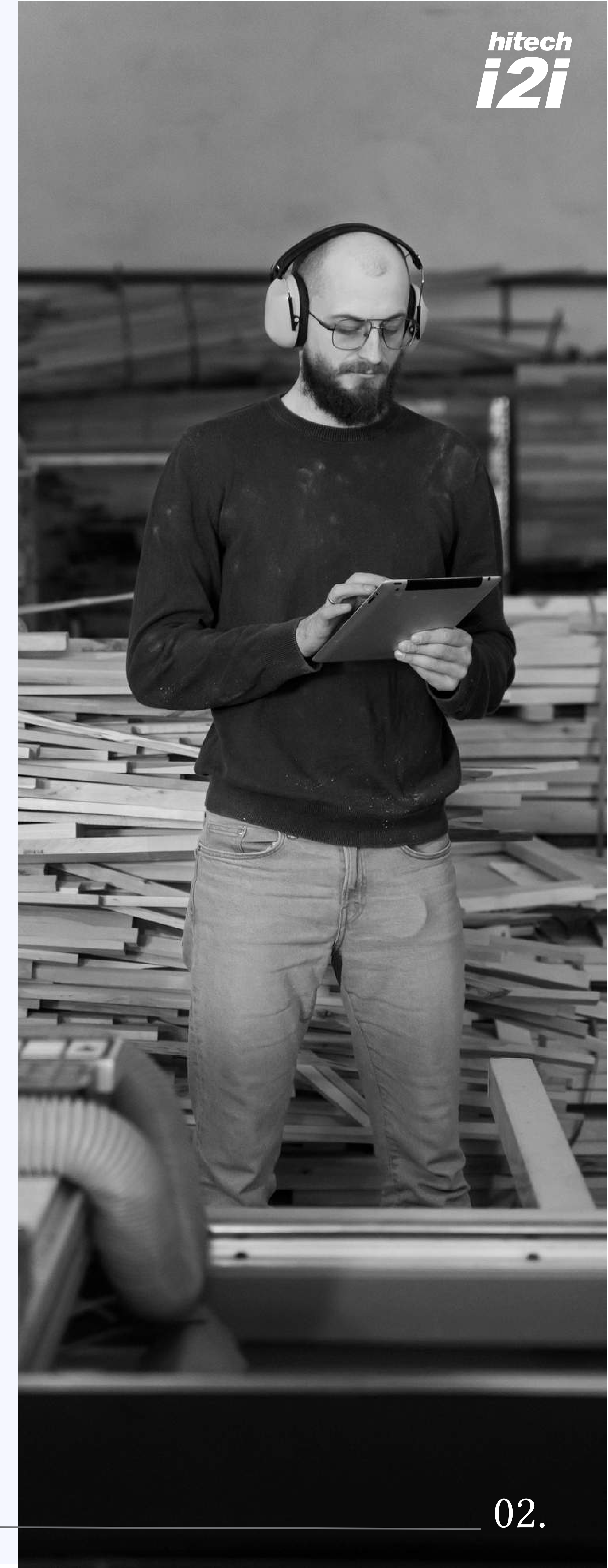
Modular &  
Configurable

Scalable

24 X 7 Support

Access Data  
Anywhere, Anytime

Easy to Use





# Modernize your processes with powerful modules

## Production Planning & Scheduling

- Order-wise schedules across assets and variables
- Auto-scheduling based on resource availability
- Resource idle time tracking to maximize capacity utilization
- Visual drag and drop of order priority to assess impact on timelines
- Plan for machine maintenance to avoid production hiccups

## Production Tracking & Shop Floor Visibility

- Kanban view of daily production schedules
- Interactive dashboards for KPI monitoring
- Automated alerts and notifications for delays/issues
- Real-time critical path analysis to track and manage dependencies
- Structured quality logs for analyzing root cause of issues

## Inventory Management System

- Historic trends and market patterns for forecasting
- Quantity and lead-time tracking to plan material requirement
- Barcodes and RFIDs for automated raw material inward/outward
- Stock insights for order-wise BOM allocation and finding substitutes
- Visibility into budgeted vs. actual cost of material consumed per order

## Purchase Order Management

- Configurable purchase requisition templates
- Automated purchase approvals based on spend thresholds
- Comparative insights into different quotes from multiple suppliers
- Alerts and notifications to raise RFP based on inventory status
- Historical and current data of supplier engagement lifecycle

## Predictive Maintenance Management

- KPI tracking through real-time data collection
- Machine failure pattern recognition using ML algorithms
- Digital twin-based predictive maintenance for safety compliance
- Auto-scheduler for recurring maintenance requests
- Tracking and reducing failure resolution time to improve machine uptime





# Reinventing Operations through Advanced Capabilities

Range of  
Connectors

Interactive  
User-Based  
Dashboards

Advanced  
Customization

Chat &  
Notification

- Seamless data integration by connecting ERP and PLCs to bridge the gap between various machines and systems.
- Live updates on relevant information through customizable, real-time dashboards for leadership, supervisors and operators.
- Precision and efficiency in operations enabled by tailored workflows and reports to match unique manufacturing processes.
- Swift issue resolution and seamless collaboration across the production floor, sales and warehouse teams with integrated chat and notifications.



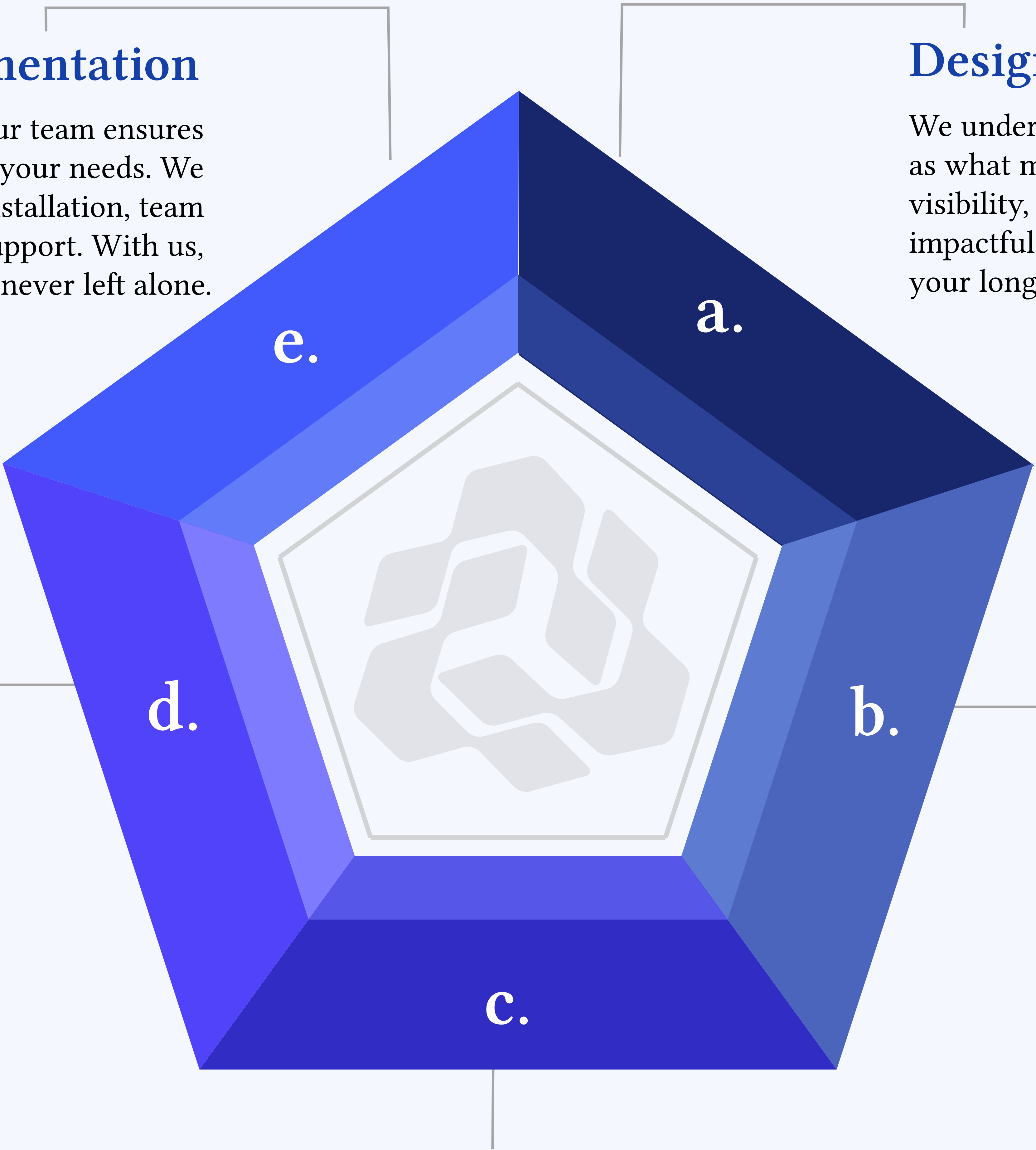
# Why Hitech i2i?

## Turnkey Implementation

From scoping to seamless setup, our team ensures a tailored approach to prioritize your needs. We handle customization, system installation, team training, and provide ongoing support. With us, you're never left alone.

## Designed for SMBs

We understand the priorities of small and medium-sized companies, as well as what makes you unique. Hence, our approach centers on three key pillars: visibility, integration, and scalability. This ensures that you get quick and impactful results without impeding your business, and which will support your long-term growth journey.



## 30 Years of Excellence

Owned by HitechDigital Solutions, which has a track record of 30+ years of delivering excellence to 80+ global manufacturing clients. Having successfully completed over 500+ millwork and fabrication detailing projects, we are going full force forward.

## Industry-Focused

Whether you are grappling with intricate project management intricacies as a millworker or looking for tracking and inventory visibility as a metal fabricator, our demonstrated expertise addresses your industry-specific needs.

## Crafted for your Business

You get to pick and choose modules that align with the specific needs of your business and also configure them accordingly. You can further enhance them through customization to seamlessly integrate with your workflow.



# “Brilliant.”

Hitech i2i MES bridges the gap existing in most ERP systems between product scheduling and work order completion, allowing ease of capacity planning, labor requirements, operation efficiency and information flow to the shop floor.

*Steve Palmer*

*General Manager at a leading  
door & window manufacturer, USA*





# Get started on your transformation journey today

For more information,

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