



NAVIGATOR
Production Planning & Control

INDUSTRY 4.0 DOESN'T BEGIN WITH AUTOMATION, DASHBOARDS OR AI IT BEGINS WITH DISCIPLINED PRODUCTION PLANNING & CONTROL

Digital technologies accelerate decisions,
but only when the underlying **planning system** is
Structured, Measurable, and repeatable.



BETTER
PLANNING



OPTIMIZED
INVENTORY



EFFICIENT
PRODUCTION



IMPROVED
PERFORMANCE

PLANNING FIRST. TECHNOLOGY NEXT.
**Building the Foundation for Smart Manufacturing &
Industry 4.0**

Most Industry 4.0 projects focus on technology.
We focus on the **planning system** that makes technology successful

DOES THIS SOUND FAMILIAR?

Common challenges, Real impact.

DELIVERY COMMITMENTS



- Customer frequently ask for updates.
- Committed delivery dates keep changing.
- Urgent orders disrupt the entire schedule.

INVENTORY MANAGEMENT



- Inventory keeps increasing year after year.
- Despite high inventory, shortages occur.
- Dead stock and slow-moving items grow.

PURCHASE & VENDOR MANAGEMENT



- Emergency purchases became routine.
- Vendor receive frequent changes.
- Material always arrives too early or too late.

PRODUCTION ACTIVITIES



- Daily Priorities keep changing.
- Machine waits idle for materials.
- Assembly operations are delayed due to in material shortages, resulting in frequent overtime

MANAGEMENT REVIEW MEETINGS



- Discussing Problems, rather than planning.
- Decision depends on individuals.
- MRM data presentation through non-verified spreadsheets



If several of these situations feel familiar, your factory may not have a production problem - it may have a PPC challenge.

ONE PLANNING GAP CAN TRIGGER MULTIPLE OPERATIONAL PROBLEMS



CONSEQUENCES OF POOR PLANNING

- Late Deliveries
- Material Shortages
- Excess Inventory
- Frequent rescheduling
- Increased Cost
- Lower Productivity
- Low Equipment Utilization
- Daily Firefighting
- Unhappy Customer

THE FOUNDATION OF MANUFACTURING EXCELLENCE



Better
Visibility



Reliable
Deliveries



Optimized
Inventory



Aligned
Purchasing



Effective
Capacity use



Data-driven
decisions



Successful
Industry 4.0

Smart Manufacturing starts with **Smart Planning**

MANUFACTURING HEALTH SCORE

Let's evaluate how mature is your current PPC system?
Tick (✓) the box that best describe your factory.



We prepare and follow realistic production plan in excel or ERP.

☐ Yes

☐ No



Daily production review meetings are data-driven.

☐ Yes

☐ No



Production priorities are clearly communicated.

☐ Yes

☐ No



We consistently achieve our committed delivery schedule.

☐ Yes

☐ No



Purchase planning is aligned with production requirements.

☐ Yes

☐ No



Material shortages are identified before production is affected.

☐ Yes

☐ No



Inventory levels are regularly reviewed and optimized.

☐ Yes

☐ No



Machine capacities are planned and monitored.

☐ Yes

☐ No

YOUR SCORE

(Count your yes responses)

7 - 8

**Well Structured
PPC
System**

5 - 6

**Stable Planning
System with area
of Improvements**

3 - 4

**Reactive
Planning
Environment**

0 - 2

**Immediate
Improvement
Recommended**



**Before investing in smarter machines,
ensure your planning is smarter.
The most successful Industry 4.0 journeys
begin with Production Planning & Control.**



Helping Manufacturers Build Smarter Factories



WHY MANUFACTURING LEADERS CHOOSE NAVIGATOR-PPC

✓ 29 Years of Manufacturing ERP & PPC Expertise

Helping manufacturers improve planning, execution, and operational visibility since 1996.

✓ Specialized in Production Planning & Control

Focused exclusively on improving production planning, scheduling, inventory, purchasing, and shop floor execution.

✓ Built for Indian Engineering & Discrete Manufacturing

Designed for Make-to-Stock, Make-to-Order, Engineer-to-Order, Project-Based, and SPM manufacturing environments.

✓ Beyond Consulting - We Implement Results

From assessment and roadmap to implementation, adoption, and measurable operational improvements.

✓ Technology-Enabled Smart Manufacturing

Industry 4.0 solutions including real-time production monitoring, machine loading, KPI dashboards, and AI-enabled decision support.

✓ A Solution That Grows With Your Business

Scalable solutions that support your manufacturing journey—from a single production unit to multiple plants.

✓ Trusted by 2,300+ Manufacturing Businesses

Nearly three decades of experience serving manufacturers across India with ERP, PPC, and manufacturing automation solutions.

OUR SERVICES

Manufacturing Consulting

- PPC Process Assessment
- Manufacturing Health Check-up
- Factory Improvement Roadmap

Production Planning and Control

- Production Planning & Scheduling
- Capacity Planning
- Inventory Optimization
- Controlled Purchase Planning

Shop Floor Excellence

- Real-time Production Monitoring
- Machine Loading
- WIP & Rejection Tracking
- Bottleneck Management
- Tool Crib Management

Industry 4.0 Solutions

- Sensor based data collection
- Digital Production Dashboard
- Predictive maintenance
- KPI & Analytics
- AI-driven Decision Support

MANUFACTURING MODELS WE IMPROVE



MAKE TO STOCK

Production based on Demand Forecast



MAKE TO ORDER

Production Initiated Against Customer Order



ENGINEERING TO ORDER

Engineering, Design & Manufacturing for Every Order



SPM MANUFACTURING

One-off & Customized Machine Manufacturing



PROJECT-BASED

Engineering Procurement Manufacturing Installation



MIXED-MODE MANUFACTURING

Combination of MTS, MTO & ETO Manufacturing

SCHEDULE A MANUFACTURING HEALTH CHECK

We would be happy to understand your challenges and explore how we can help.

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What happens next?

- Manufacturing Health Check
- GAP Assessment
- Improvement Roadmap
- Implementation Support
- Continuous Improvement.

