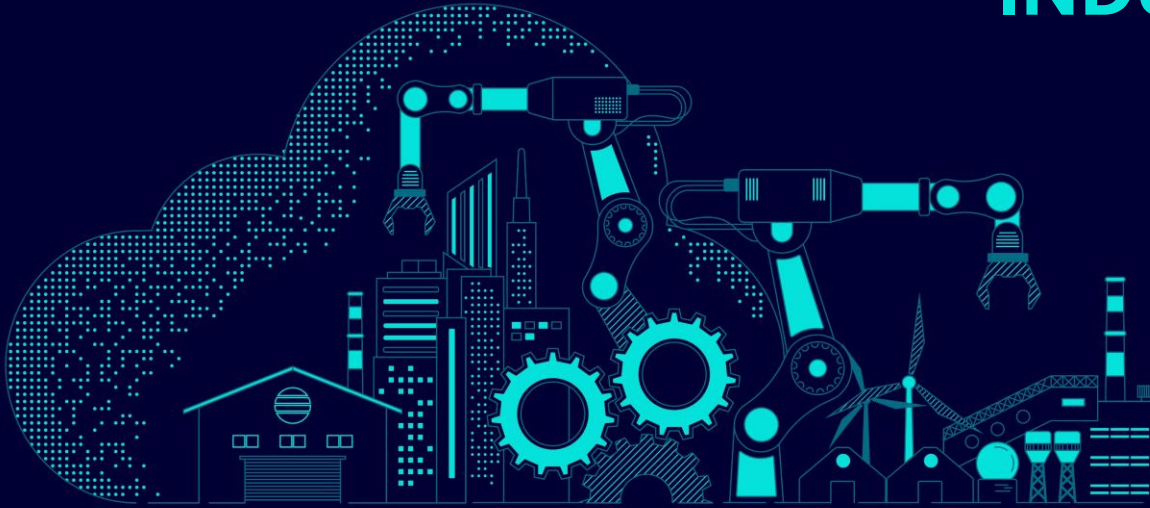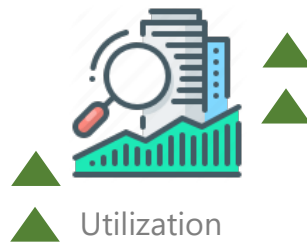# INDUSTRY 4.0

CTs Smart Production Planning system is Industry 4.0 ready. We seamlessly integrate with IOT systems and provide real time visibility to production plans, capacity / raw material constraints, actual throughput, plant / resource utilizations while optimizing demand & supply match.

Production Planning and Scheduling

A cloud native digital twin of your factory, manufacturing resources, inventory, orders and constraints which is model into a next generation optimizer to effectively improve performance of
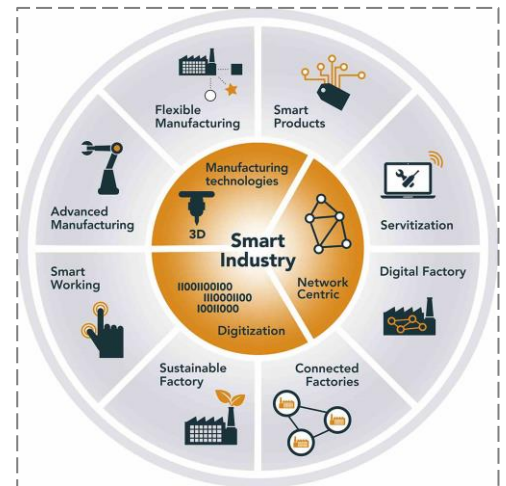
Changeovers · Utilization · Throughput

The system allows flexibility to the factory planner, to make amends in real time and yet have an optimal; and executable production plan.

Features

- Fully customizable for batch manufacturing processes.
- Integration with SAP, Dynamics and other leading ERP systems
- Digital Twin
- ML/AI Powered optimization
- Scenario Planning
- Incremental Planning
- Demand Supply Match
- RM Planning
- Mobile Compatible

CELEBAL TECHNOLOGIES

Business Impact

- Move from complex excel based planning to a modern cloud based AI powered planning system.
- Bring down delays on your customer orders and get rush orders under control.
- Improve setup time, tool, machine, and operator availability.
- Compare different versions of your plan.
- Simulate best and worst scenarios.
- Evaluate the impact of rush orders, machine breakdowns, or overtime.

Persona

Production Planner

Shopfloor Operator

Sales Manager

Procurement Manager

Revenue

Reduced time to market
Reducing the time to production by 12% and hence reducing time to market.

Demand Fulfillment
Demand fulfillment improved by 8%

Cost Reduction
Reduced cost of production by 16%

Timelines

12-14 Weeks