

# Integrated Business Planning and Execution (IBPX)

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Accelerating and difficult to predict disruption for global manufactures generates the need to know sooner, act faster and adapt more quickly to changing business conditions. Global manufacturers still often lack a single view of their end-to-end business plan and its real-time execution.

For the first time, advanced technologies like machine learning and prescriptive analytics create the opportunity to integrate real-time information into planning, eliminating decision-making latency. Oracle's Integrated Business Planning and Execution (IBPX) Solution for Manufacturing Industries is one of the few enterprise solutions capable of combining best-in-class Enterprise Performance Management (EPM) and Supply Chain Planning (SCP) with IoT, AI and prescriptive analytics to deliver a complete Integrated Business Planning and Execution solution that adapts to the demanding needs of global manufacturers.

## WHAT IS IBPX FOR MANUFACTURING DOING?

IBPX provides end-to-end planning capabilities for manufacturing companies that allow them to reach their long, medium and short-term performance goals. IBPX transforms plans into execution and monitors this execution near real time to detect unexpected events using IoT, AI and prescriptive analytics. Then IBPX provides what-if analysis on these future scenarios and evaluates the alternatives to maintain or improve upon the company's business targets. Once a new plan is generated incorporating this information, a new cycle starts by transforming the new plan into action using the enterprise execution systems.

## WHERE IS THE IBPX BUSINESS VALUE?

IBPX consolidates all planning into a single hub. It also provides a single view for all participants by using a unified data model. For the first time planning and execution are seamlessly integrated in IBPX to avoid latency and business value losses in decision-making. IBPX uses advanced technologies to predict performance gaps or previously unforeseen improvement opportunities and then it provides recommendations to avoid these future problems or crystalize the new opportunities before it is too late.

### Key Features

- Top down and bottom up, driver-based planning and forecast
- Risk modeling for M&A and strategic initiatives
- Full financial statement structure for strategic and operational planning
- Predictive and prescriptive analytics / planning
- Pre-seeded S&OP process
- Near real-time demand-supply balancing
- Real-time backlog management
- Automation of predictions and correction actions based on actuals
- AI-enabled operational planning ( i.e. sales territory and quota)
- IoT and sensor data flow integrated with automated decisions

### Key Business Benefits

- Provides end-to-end long, medium and short term planning capabilities
- Enables a single data model providing all participants with one single view
- Seamlessly integrates S&OP and S&OE
- Detects future gaps and provides alternative scenarios to adapt
- Uses sensor data and advanced technologies to detect unexpected events
- IBPX footprint and deployment options easily adapt to changes in the organization or functional architecture

The solution escalates issues coming from machines – including real-time sensors — to enable human intervention if they cannot be automatically addressed in advance. In addition, IBPX is built with flexibility in mind and can be deployed on premise, in the cloud, or in hybrid cloud environments.

## EXTENDED INTEGRATED BUSINESS PLANNING

IBPX expands the traditional Integrated Business Planning (IBP) proposition and modernizes it to address today's demanding needs while enabling the following planning areas:

- Long-range strategy planning (IBP), strategic modeling and M&A
- Financial, projects, capital and workforce planning
- Sales & operations planning
- Supply chain planning

## INTEGRATED EXECUTION

IBPX expands the traditional Integrated Business Planning (IBP) proposition and modernizes it to address today's demanding needs while enabling the following planning areas:

- Connecting Finance with Sales, IT and Human Resources operations
- Providing advanced scenario planning
- Optimizing operational efficiency during planning execution
- Protecting profit winners
- Enabling a zero-latency backlog management process to maximize revenue, margin, service, etc. at the end of the specific period where you decide run it.

## EVENT DETECTION & PERFORMANCE MANAGEMENT

To detect and address unanticipated events that could impact your business planning, IBPX leverages advanced technologies including real-time sensor information, machine learning (ML) pattern recognition and risk evaluation, and traditional rules engines monitoring all relevant data. Once one of those events is detected, IBPX tries to address is automatically and, if this is not possible, notifies the proper person/organization in order to update the plan as needed. This architecture allows IBPX to:

- Provide a holistic view of the value chain
- Manage against strategic targets
- Evaluate against industry benchmarks
- Integrate a complete hierarchy of metrics
- Assess your plans and their execution, diagnose future impact of unexpected events and correct your long, medium and short term plans

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