

MORE ABOUT the HMX
CRex™ PLATFORM

GOAL-DIRECTED TO
ACHIEVE RESULTS

CRex applications stay focused on the planning goals that you define, and the logic is entirely transparent to engender trust with technology that explains itself. You don't have to guess whether a plan will meet your goals.

HUMAN-AI PARTNERSHIP

Human expertise and knowledge developed over decades of real-world experience are captured and blended with machine learning (ML) to augment human experience with the power of deep analytics and continuous improvement.

AZURE READY

CRex is optimized for Azure for on-demand scalability, zero downtime, and integration with the world-class portfolio of Azure services. CRex is available for hybrid deployments with on-premises servers plus Azure cloud.

For more information on CRex and managed Intelligent Production Optimization services available from HMX, please visit us on the Web at: hmx.ai

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Intelligent Production Optimization for Manufacturing

 Proud to #BuildFor2030 with Microsoft

Simplify Complex Production Planning

HMX helps manufacturers automate planning processes with scenario templates and decision intelligence that is transparent and explainable.*



The Challenge

Manufacturing production planning is often a tedious process involving numerous meetings to attend, diverse sets of spreadsheets to consolidate, and many iterations. The final plan is often driven by instinct rather than hard data and optimization science.

HMX Intelligent Production Optimization Solution

HMX Intelligent Production Optimization (IPO) can reduce the time you spend on planning by more than 50%. IPO enhances your planning capabilities by combining multi-objective optimization and AI to reduce the time and effort you dedicate to planning processes. With IPO you create and evaluate what-if scenarios and are guaranteed an optimized plan for the condition you apply.

Microsoft 365 Tools improve the User Experience

All IPO user interactions use Microsoft 365 applications including Excel, Word, and Power BI, so you don't need to learn new environments or tools. IPO simplifies your current spreadsheet-based processes and auto-generates BI displays that are specialized for you.

- Ensures data quality so plans are always accurate and faulty plans are eliminated.
- Detects when a new plan is needed and recommends setup options with user-defined setup of plan scenarios.
- Verifies and validates plans while exposing risks and making opportunities explicit.
- Interprets and explains plans and simulation results.
- Available as a managed service with a dedicated service representative.

Create Plans with Guaranteed Accuracy

HMX IPO uses the latest optimization setup, running, and interpretation algorithms simplified through an enhanced user experience that removes barriers to creating and explaining accurate plans.

Meet Demand on Schedules you Define.

Efficient production is a complex balancing act. Juggling the many, time-varying factors that impact demand and supply is a difficult task made simpler by identifying your common planning scenarios. IPO uses Goal-Directed Task Analysis (GDTA) methods to determine how your planning experts work now, then augments and enhances this knowledge.

Continuous Improvement with Machine Teaching

Adapting to changing markets and meeting production targets requires a Plan-Do-Check-Act cycle that is accelerated through digital transformation. IPO applies the innovative technique of Machine Teaching to address these challenges. In Machine Teaching a CRex Cognitive Map directs both how the IPO learns and how IPO knowledge is applied operationally to reach planning goals.

* HMX Corporation supports the [United Nations](https://www.un.org/sustainabledevelopment/)
[17 Sustainability Goals](https://www.un.org/sustainabledevelopment/)

