

INDUSTRY WITHOUT DOWNTIME

How predictive diagnostics
change the game

Predictive Diagnostics

Controller and Data Gateway

IoT Platform

Downtime: the invisible killer of productivity

How unexpected production stops impact business and how to prevent them



High repair and maintenance costs



Unexpected equipment failures



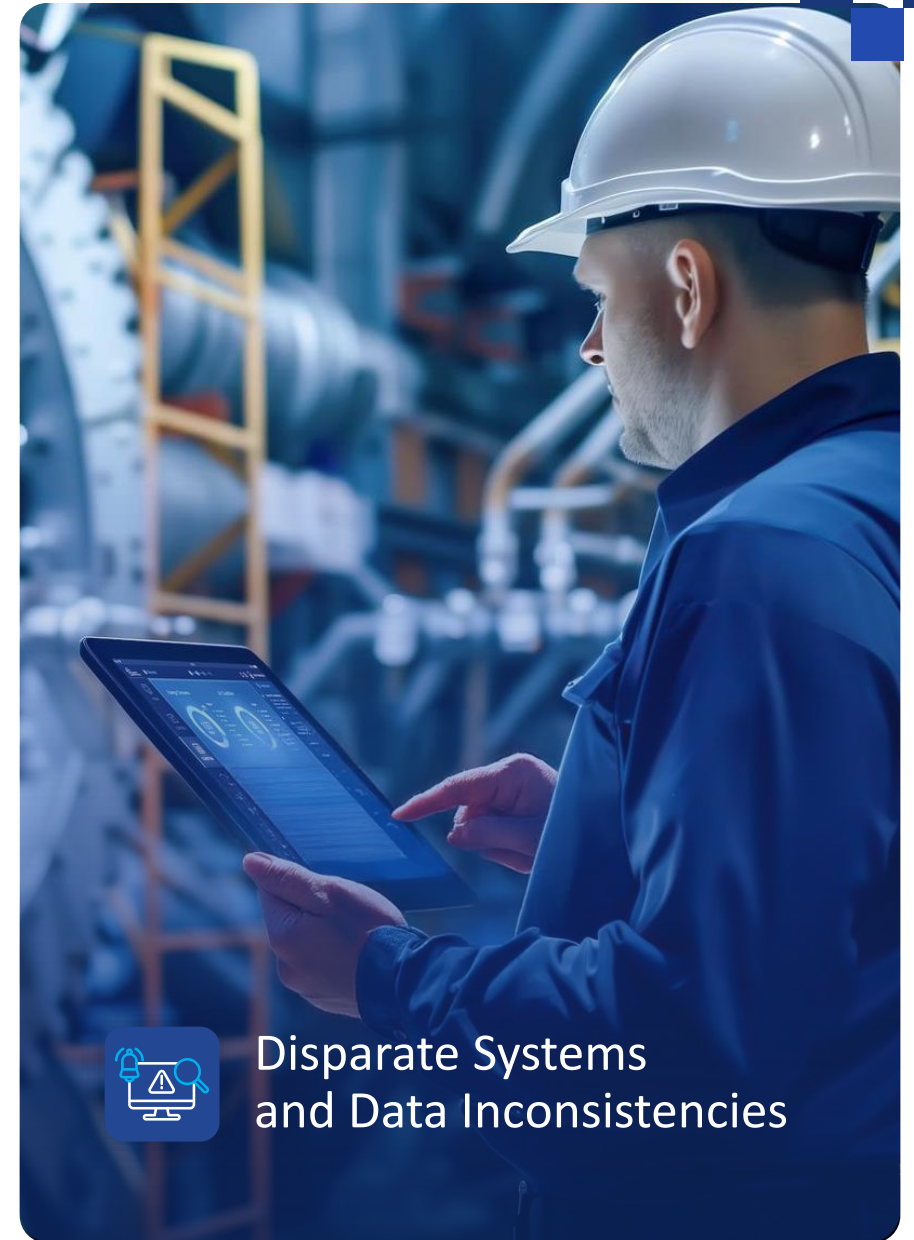
Decreased equipment productivity



Downtime due to lack of predictability



Disparate Systems and Data Inconsistencies

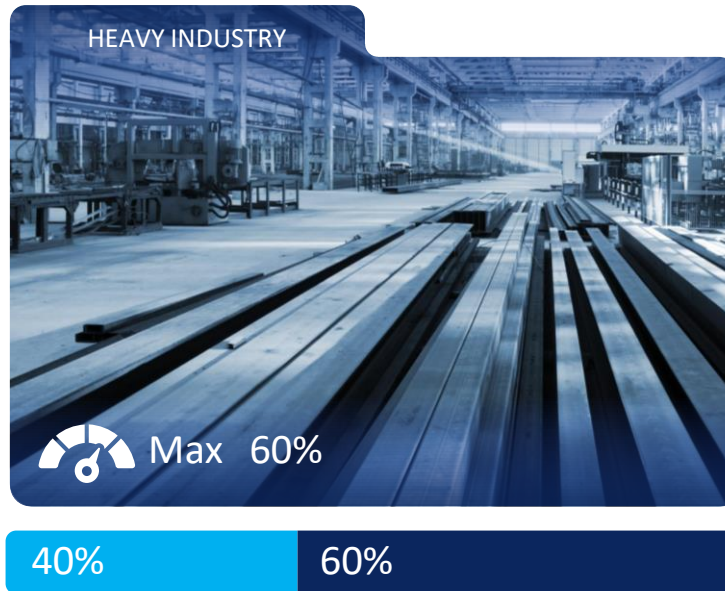


Unlocking cost efficiency through optimized maintenance

Optimized production planning that takes constraints into account to maximize total output per production cycle

Share of maintenance costs in production cost

- Production cost excluding maintenance
- Maintenance



Reduction in equipment breakdowns

Stabilization of product quality fluctuations

Maximization of production output

Increase in operational efficiency

Extension of maintenance intervals

Eliminating Downtime:

Driving Productivity with Innovative Solutions



Smart Diagnostics prevents unplanned downtime



Maximize Equipment Lifespan with Predictive Insights



Boost Efficiency by Optimizing Maintenance Schedules



Unifying Disparate Systems for Enhanced Efficiency

▶ EQUIPMENT SHUTDOWNS REDUCTION



▶ SPARE PARTS COSTS REDUCTION



▶ MAINTENANCE COST REDUCTION

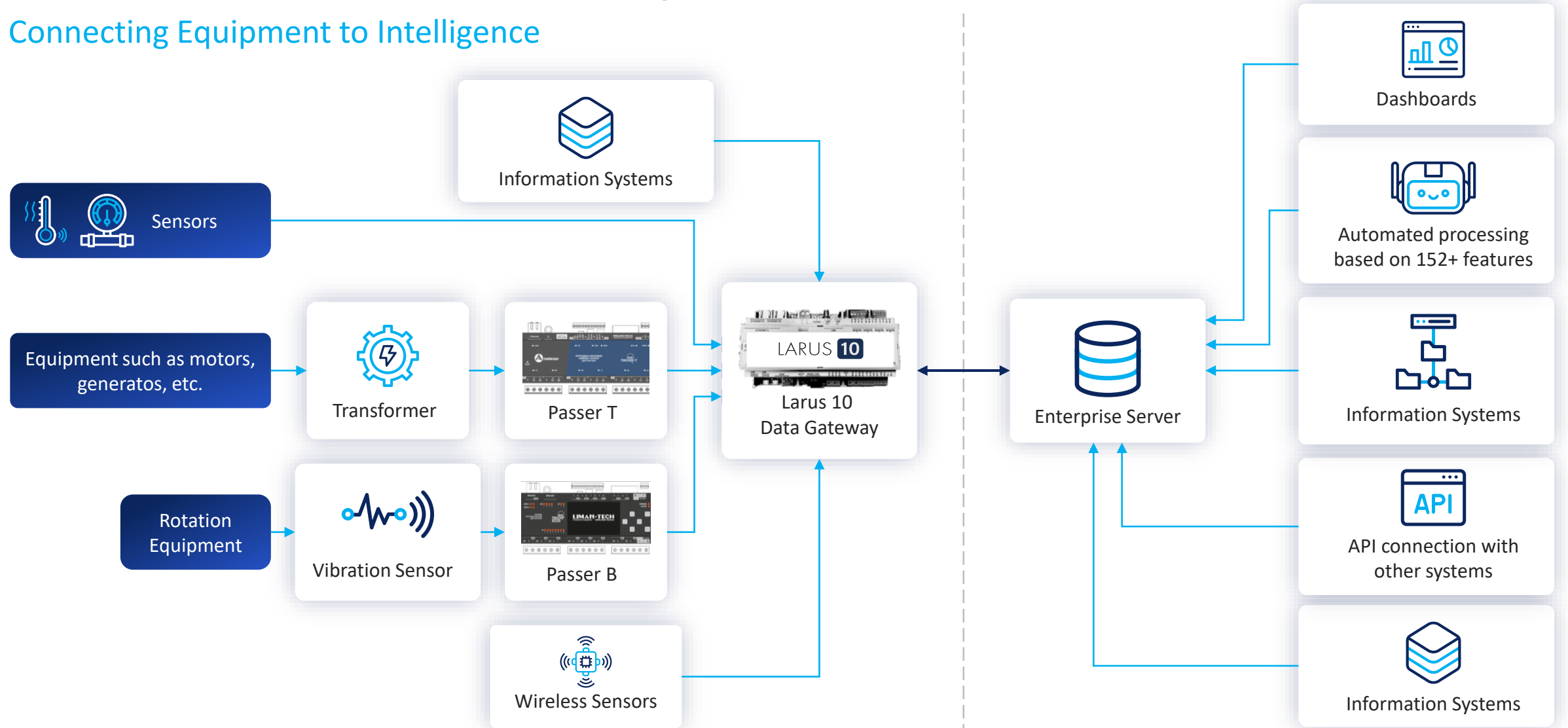


▶ EQUIPMENT EFFICIENCY INCREASE

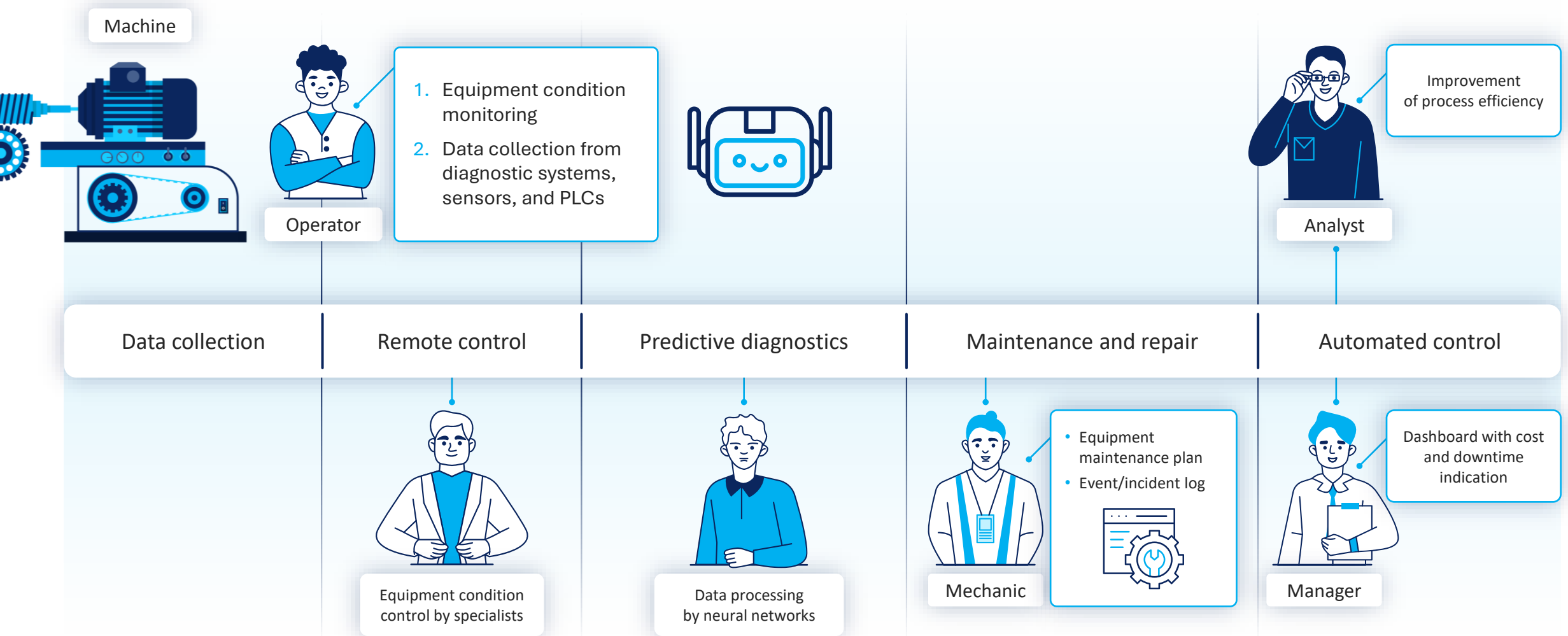


Data Collection System:

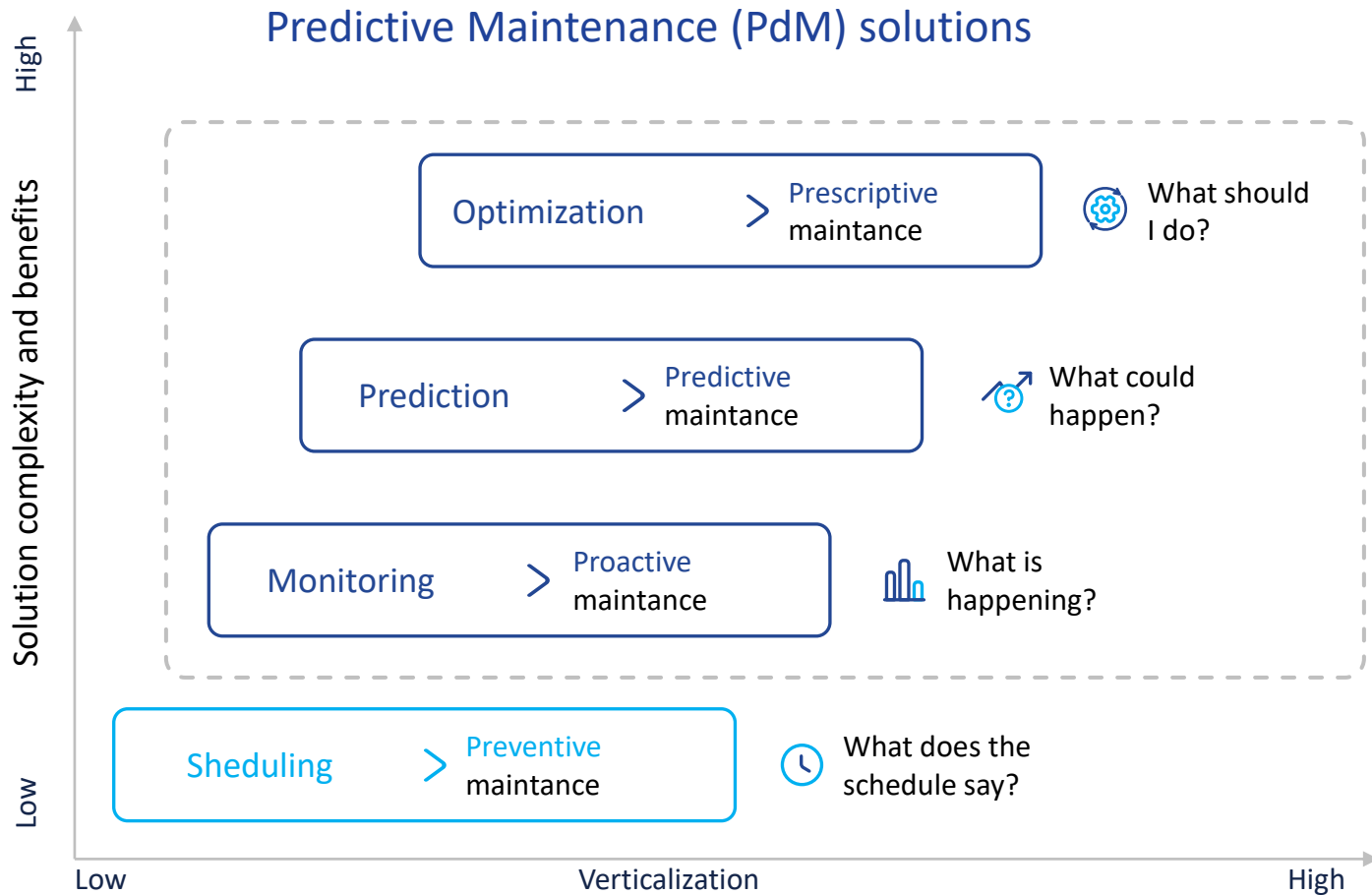
Connecting Equipment to Intelligence



Comprehensive process for equipment monitoring and predictive maintenance



Maximize efficiency with our solutions



Monitoring and data systems consolidation

Streamlining monitoring systems into one platform improves data accuracy and enhances coordination between preventive and predictive maintenance efforts

Enhanced predictive capabilities

Using advanced predictive maintenance, potential issues are detected early, enabling proactive actions that optimize schedules and prevent costly breakdowns

Improved operational efficiency

AI-driven diagnostics optimize decision-making speed, minimize unplanned downtime, and improve productivity, extending the equipment's operational lifespan

Liman-Tech's flagship products for industrial optimization



Passer Intelligent Diagnostic System



Diagnosis of rotating equipment: pumps, gearboxes, compressors, and more



Larus Data Collection and Control System



Control system based on the IEC 61499 standard



IloT Platform Atlas
IloT and Industry 4.0 data collection systems



Partnership Proposal: Expanding Together

Unlocking new markets through
innovation and collaboration

Our Expertise, Your Brand

White label production of cutting-edge industrial solutions

Tailored Solutions for UAE

Custom production line design and localization support

Innovative Product Line

Vibration diagnostics, IIoT gateways, and PLCs

AI/ML-powered software for anomaly detection

Strategic Growth Partnership

Sales and market expansion in UAE and MENA

50/50 profit sharing for localized production

Limantech



Licenses, Software, and Equipment

Partner



Production Line

Sales in UAE and MENA



LIMAN-TECH

Join us in transforming industrial efficiency

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Predictive Diagnostics

Controller and Data Gateway

IoT Platform

Predicting failures and reducing maintenance costs with our AI solutions



Critical failures prevented

Russian large transport company

Challenges

- Over 7 million passengers daily put immense strain on equipment, leading to frequent failures
- Unplanned breakdowns disrupt service and increase operational costs
- Costly maintenance due to inefficient traditional methods
- Lack of real-time monitoring makes it difficult to prevent issues before they occur
- Workforce Efficiency: Manual inspections are labor-intensive and prone to human error

Results achieved over 12 month

65% Reduction in personnel workload **14%** Reduction in labor costs



AI-powered monitoring system predicts equipment wear and tear, minimizing failures and optimizing resource utilization for improved efficiency and reduced downtime

AI-powered monitoring: precision, cost savings, and efficiency

Leading Agro-Holding

Challenges

- Without modern technologies, it was difficult to track the health of crops and soil in real-time, leading to suboptimal decision-making in care
- Traditional methods provided insufficient data to accurately predict crop yield and quality, resulting in potential losses and inefficiencies in production
- Manual methods for monitoring the agricultural land were time-consuming, costly, and prone to errors, impacting overall efficiency

Results achieved over 12 month

\$1.2M


Reduction
in maintenance budget

23%

Reduction
in variable costs

3%

Increase
in revenue



AI-driven monitoring system integrates drones, ground sensors, and smart analytics to monitor soil and crop health, improving agricultural management efficiency