

MIND Smart Manufacturing Capabilities





Our Robust Services.

Cloud

Accelerating Time-to-Market with Industry Leading Cloud Based Solutions.

Infrastructure

Reinventing the Digital Foundation of Businesses by Providing Cutting Edge IT Infra Services

Digital and Engineering

Creating new digital products and services, leveraging data and technology.

Digital & Analytics

Turning Technology into Business Outcomes Through Big Data & Analytics Solutions.

Industry 4.0+

Connecting things, data, process and people

MIND ERP Services

Driving Transformational Results for Global Enterprises Through ERP Services

Cyber Security

Keeping your businesses secure in realtime through our advance security services.

GBS & RPA

Connecting Digital Vision with Business Reality Through Global Business Services (GBS)





Our Flagship Products.

IDACS

An IoT based ERP/ Machine agnostic system from MIND with real time data acquisition & production monitoring capabilities.

MOTIF

A big data and analytics-based solution suite that provides data based intelligent insights across the entire stakeholder value chain.

Prophecy

A Cognitive Platform for Complete Factory Solutions.

HRIS1

Elevating & Energizing Employees Experience with Human Resource Information System (HRIS1)

Rollr Mini

Our OEM-grade hardware and applications are designed and manufactured to meet the exacting standards of the top brands in the automotive industry

Piper

Purpose-built to collect data from a wide range of sources, unify it together to form a comprehensive view of the customer across Channels

eMPRO

Aligning Business Processes to the Customer Needs Through Native ERP

Morango Ledger

A smart logistic software build on IoT, Blockchain, RFID, Barcode and Industry 4.0 for real-time visibility across supply chain.

Synergia

Synergia help IT organization to transform their traditional operation by redesigning processes to make it compatible with the digital world.





iDACS Smart Manufacturing MES System

Manufacturing System – Introduction





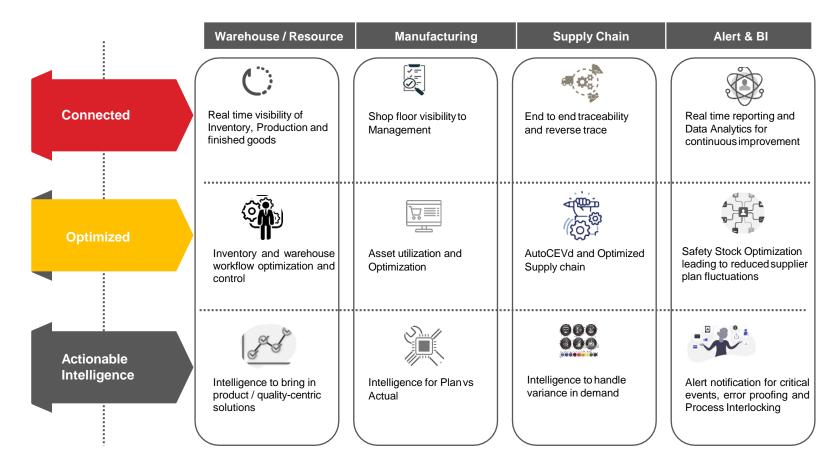
Manufacturing Execution System / Smart Manufacturing / Digital Manufacturing / Paperless Manufacturing / IIoT are the terms used interchangeably which target to support the manufacturing process by digitising the manual processes.



The level of digitisation could be as small as printing a barcode label, automatic production data capturing from the machine, displaying documents electronically and as complex as machine control, production control, traceability, which is addressed by the manufacturing system.

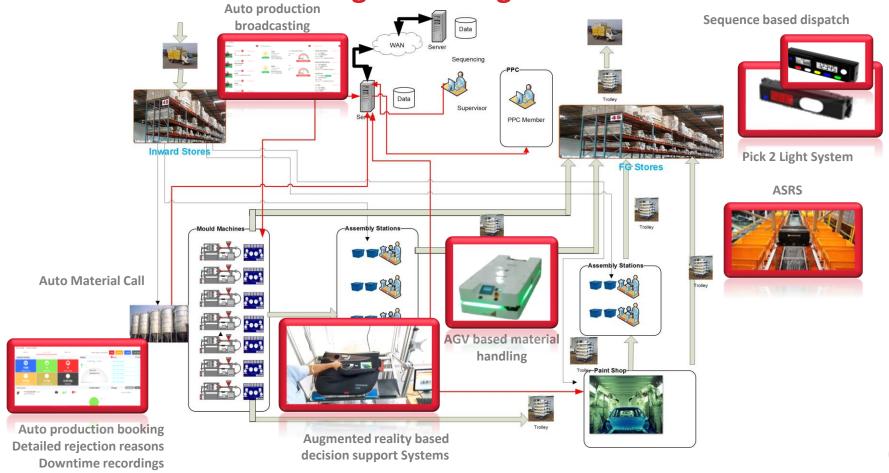
Our view of Industry 4.0







Product & Solution Offering & Coverage

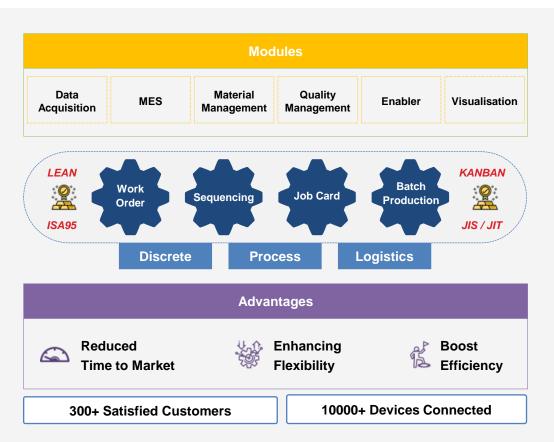




IDACS Smart Manufacturing Product Suite.









Our Value Proposition.





STRATEGIC ACQUISITIONS

- Automotive, Discrete, Process manufacturing domain experts
- Identify use cases
- Propose the best fit solution for your specific use cases



TURNKEY

- Complete ownership on project.
- One stop shop for hardware, infra, software, installation, support



EXPANSIONS

- Modular offering, easy to expand
- Server + Machine license to give better price to start



ROI

Immediate

- Modular offering, easy to expand
- Server + Machine license to give better price to start

Long-term

 Analytics to recommend productivity improvement, quality checks, inventory optimization

BUSINESS INTEGRATIONS

- Single source of truth
- Seamless integration with ERP (SAP, QAD, Oracle EBS, home-grown), PLM, Third party systems



MANPOWER

- Right combination of team for MES projects, PLC /SCADA, IoT, networking, software, installation, project management, support
- Team deployment for handholding, onsite team to ensure smooth functioning of the system



DEVICE CONNECTIVITY

- Hybrid architecture, Multi-model connectivity methods to exchange data from Machines
- Simulation tool to reduce machine downtime for testing
- · API interface, easy to build a new driver

Customer Connect



































































MIND Digital & Analytics Portfolio, A brief Look

Smart Factory Ecosystem



Flexible scheduling

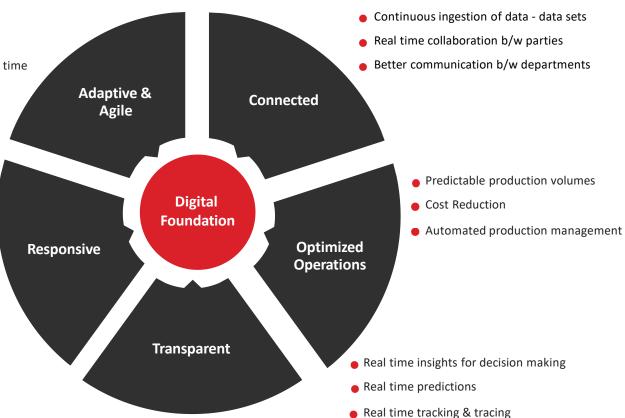
• Implementation of production changes in real time

Configurable factory layouts & equipment

 Preventive & predictive analytics to detect anomalies in real time

Real time monitoring

Automated restocking



MIND Digital & Analytics Portfolio



Synergia Studio

Microsoft CoE

DPDS

Legacy Transformation

Immersive Interactive

Decision Science

Testing CoE

Data Visualization

MIDLabs

Salesforce

FP&A

Big Data & Data Management

PRACTICES



PRODUCTS

















HRIS 0

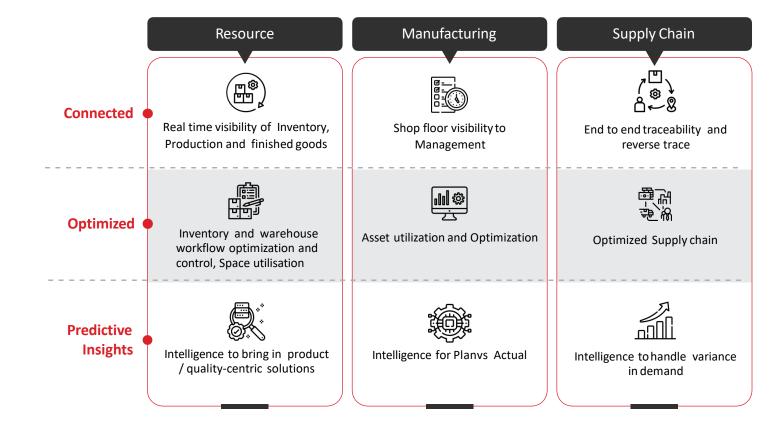




Our Value Proposition- Connected Ecosystem

Drive Greater Value Both Within The Four Walls Of The Factory And Across The Supply Network





We are Helping Clients re-imagine Business Processes & Operations



| Manufacturing | Life Science | Healthcare | CPG | Retail | Education | Automotive | Energy & Utilities | Oil & Gas | High Tech |

MOTIF is a transformation framework leveraging Big Data & Analytics that provides data based intelligent insights which helps redesign business processes across the value chain





Vision

Mission

Help organizations to use intelligent insights helping to take in time decisions across the ecosystem.

To leverage the power of advanced analytics across Operations, Finance, Procurement, Sales and Audit functions for improving plant operational efficiency and productivity.

Introducing MOTIF 360-degree advanced analytics data platform





Lakehouse

Simplifies data governance with a single point of control

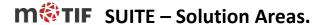


A prediction engine that studies historical data & identifies pattern.



A Customer Data Platform







With a dedicated analytics team we work together with the clients to build capabilities for sustainable future. Our solutions range from use-case-specific applications to full-scale analytics transformations.



Factory Analytics Solution

Operational Improvements and enhanced Plant Productivity using the power of Data and **Advanced Analytics**

Industry: Manufacturing



Audit Analytics

Data driven evaluation against audit rules and criteria to Generate, Manage, Notify & Track audit exceptions through workflow

Industry: All



Sales Analytics

Unlocking the power of Advanced Analytics to improve the Return on Sales by analysing the Trends & Patterns in Sales

Industry: All



Spend Analytics

Leveraging analytics for Optimizing the Procurement Cycle, Efficient Supplier Management & Strategic **Global Sourcing**

Industry: All



Finance Analytics

Effective & Efficient Planning, **Budgeting and Management Reporting** with the help of Data & Analytics

Industry: All



People Analytics

Supports Strategic Decision Making for accurate Workforce Planning, Attrition Analysis and effective Training & Development

Industry: All

Technology













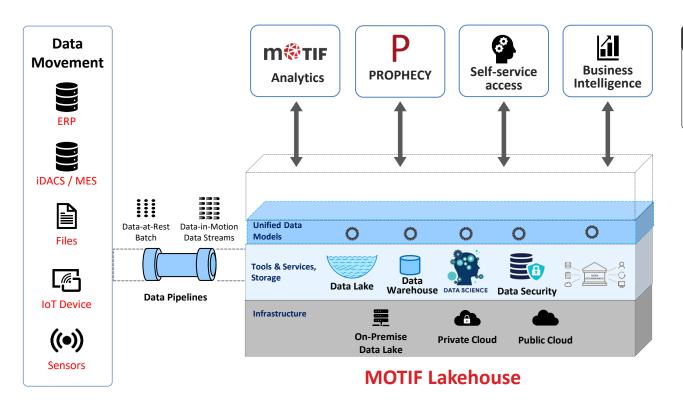


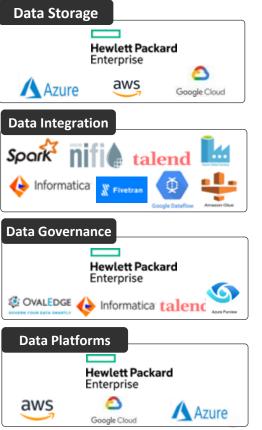
Databricks





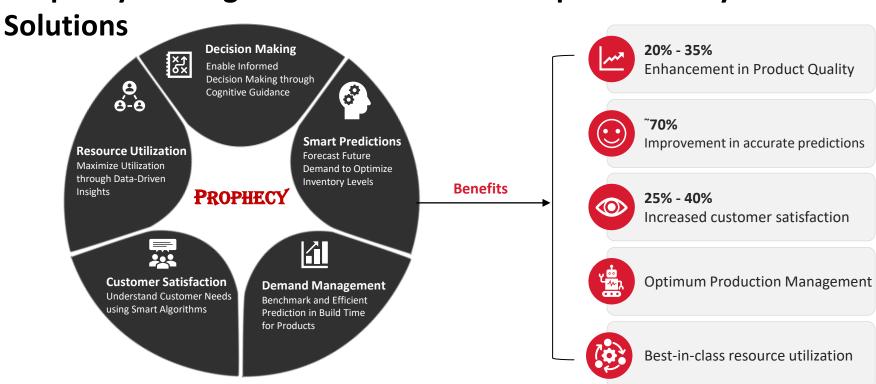
Platform to Prepare Data as a Fuel to Consume Optimally





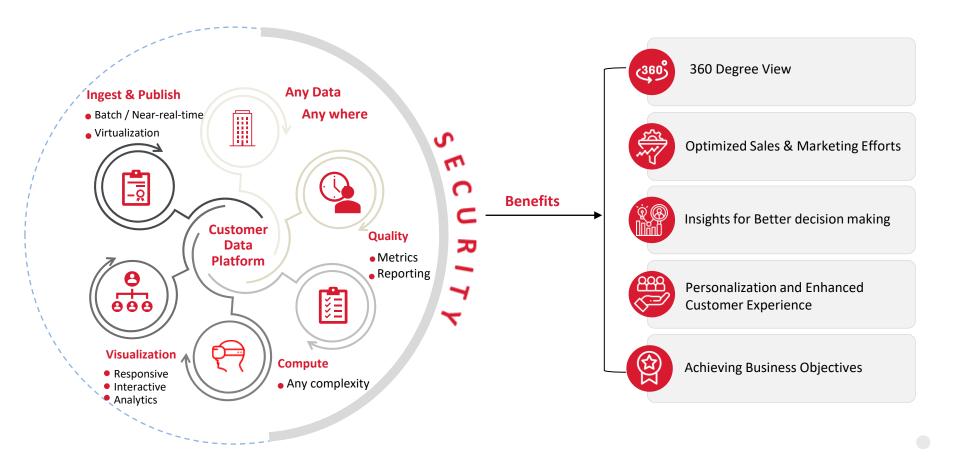


Prophecy – A Cognitive Platform for Complete Factory



Piper - A CDP integrating across data lifecycle







Smart Warehouse Management System

Warehouse Process Flow



Inbound

- Logistics
- ASN
- System Receiving

- Physical count
- Storage Optimization

- Wave management
- Delivery Order

- Work order management
- Vehicle management





Receive



Put-away



Store



Pick



Pack



Ship



Finished Product Shipped to Customer



Resource Planning & Scheduling

- Manpower planning for each shift
- ✓ Inventory planning
- ✓ Supply chain monitoring
- ✓ Equipment maintenance
- ✓ Inbound and outbound bay scheduling for incoming trucks

Warehouse Operations

- ✓ Inbound operations/ Receiving
- ✓ Put away management
- Advanced Shipment Notifications (ASN)
- ✓ Storage Optimization
- ✓ Picking Wave management
- Work order management
- ✓ Outbound operations/ Shipping
- ✓ Physical inventory count
- ✓ Palletization

Finance & Accounting

- ✓ Asset management
- ✓ Book-keeping
- ✓ AR / AP management
- Fixed asset management
- ✓ Banking & reconciliation
- Financial reporting and analysis

Environment, Health & Safety

- ✓ Product safety
- ✓ Hazardous substance mgmt.
- ✓ Waste management
- Occupational health
- ✓ Industrial hygiene & safety
- Incident management

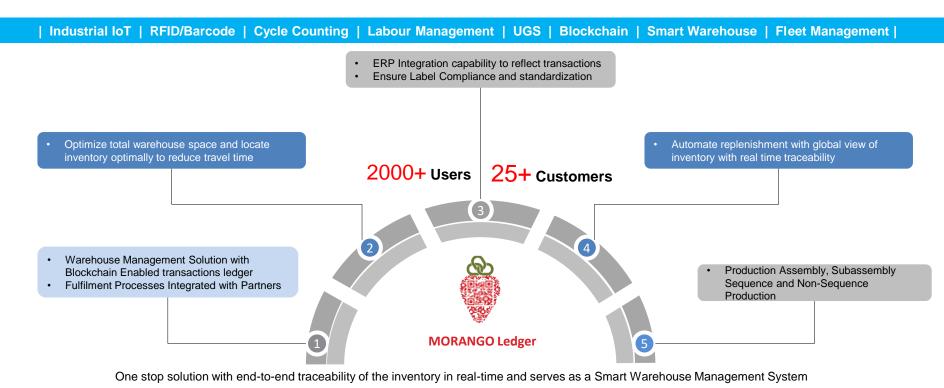
Performance Measurement (SLAs and KPIs)

MORANGO LEDGER



Smart Warehouse Management System

30% Increase in Operator Productivity



Seamless Integration Capabilities

100% Inventory Accuracy

End-to-End Traceability

50% Improvement in on time shipments 95% Reduction in Overtime



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