



mETI
An Industry 4.0 Company



About US



METI M2M India Pvt Ltd started in the year 2012 with an unflinching focus to empower Indian industries with Industry 4.0 solution that gives a competitive edge.

Over the past six years, by serving more than 100+ clients, our team has gained experience and expertise to develop and deploy Industry 4.0 solutions. This makes our solution reliable and easy to adapt.

With effective consultation and requirement analysis we offer the right Industry 4.0 hardware and analytics platform that is aimed at increasing the efficiency of the industries.



**6+ years
in IoT**



**100 +
Client**



**40,000 +
Sensors**



**15+M Daily
Tag Values**

C-time-“Industry 4.0 made easy.”

What we Do?

We make automotive Industries increase shop-floor efficiency dramatically.

We do this by offering Industry 4.0 solutions as a go-to-tool for managers to remotely monitor shop floor and to make data decision towards operational excellence.

We help you reduce manual work and, Implement Industry 4.0 for

Smart management

Easy to use dashboard to help you manage shop-floor remotely.

Smart decisions

Have your decisions supported by real-time data to boost efficiency.

Smart maintenance

Alerts to help you predict machine and tool failure.

Process optimization

You will get live graphs and reports to optimize process

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Our Services and Features

Production monitoring

- OEE (availability*performance*quality)
- Downtime and Reject reasons
- ERP Integration

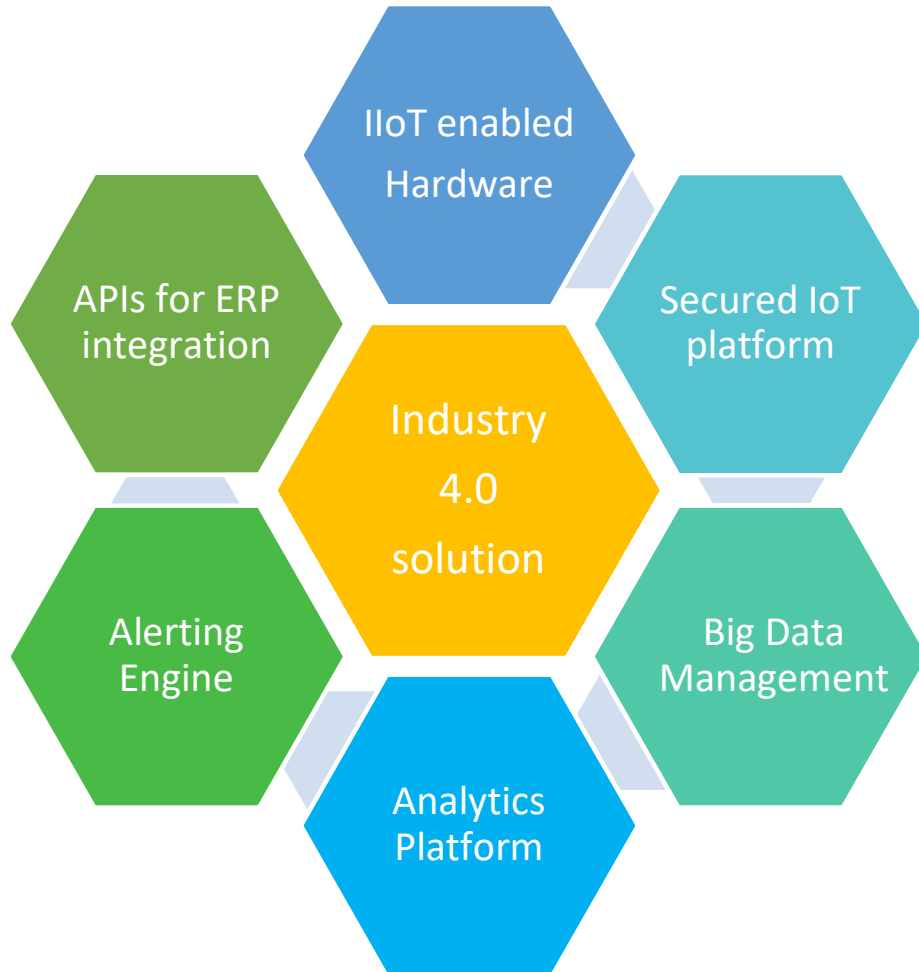
Process monitoring

- Trends and analysis of all parameters like temperature, pressure, humidity, flow etc.

Energy monitoring

- Utilization reports and trends
- Real time comparison with Ideal usage pattern & corrective tips
- Billing & Custom reports

Core Competency



All our hardware works agnostically without voiding the warranty of any machines.

Clientele



The following slides describe the benefits our clients have received....

Industry 4.0 – Production-Process-Energy-Utility



Titan



The Problem

Implement Industry 4.0 for entire plant in Phases.
Customise hardware as required.
Handle Production, Tool, Process, Energy, Utility from single source.

The Solution

METI installed C-time suite, Energia, Impertio.
Built hardware for Tool, Operator, Product tracking and Inventory management.

Benefit

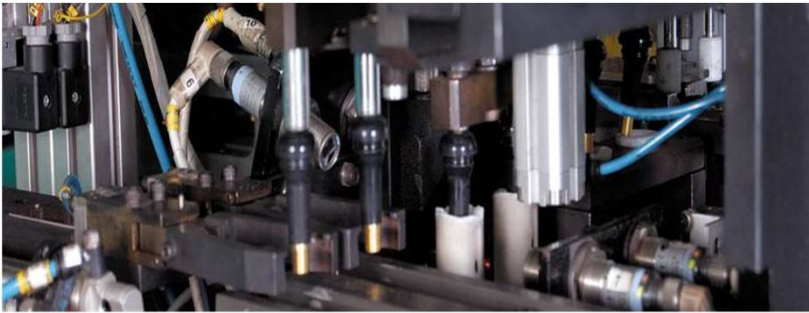
Moved from Preventive to Predictive maintenance.
Live Product tracking and Inventory management for Corporate Production Planning team.
Maximised Machine utilisation, Tool usage.

Product Used: C-time suite, Impertio, Energia and METI Live

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Industry 4.0 – Production & Process

Triton Valves Ltd



The Problem

Uncertainty about Cycle time.
Cycle-time was unchanged for the last 30 yrs.
Difficulty in increasing production target.
Quality rejection due to process variations.

The Solution

Press machines are connected to C-Time Consolidated Analytical platform for all machine. Process monitoring & Alert system with minutes data.

Benefit

Increased production by 22%.
Reduced cycle time by 20%.
Quality rejection reduced. Improved traceability

Product Used: C-Time, Impertio and METI Live

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Industry 4.0 – Machine availability & Energy trading.

Manjushree Technopack Ltd



The Problem

Lack of data on energy consumption at Plant level and Machine level.
Data on production forecasting for Energy Trading.
Machine utilisation.
High energy trading costs.

The Solution

Energia capture energy data from all machines and entire plant.
Consolidated Machine utilisation data available any time any every to the designated personnel.
Single dashboard on METI live.

Benefit

Real time data and analytics helped the client to trade energy strategically and reduce cost.
Energy utilisation maximised.
1.2 crores saved in a year.

Product Used: Energia and METI Live

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Industry 4.0 – Production

MK Agrotech Ltd



The Problem

Reduction in machine availability.
Increase in planned downtime.

The Solution

C-time hardware and analytics with real-time data.
OEE, Downtown for the management at anytime anywhere.

Benefit

10.5% production increased.
Data on machine availability helped controlling downtime.

Product Used: C-time and METI Live

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Industry 4.0 – Energy monitoring

Aquasub Engineering



The Problem

Furnace Energy consumption high 710 units per ton where as Bench mark is at 590 units per ton melting. Lack of tools to monitor furnace loading pattern.

The Solution

Energia helped in data actuation at every minute. Meti Live analytical tool helped them to identify the cause

Benefit

Energy consumption reduced from 710 to 610 units per ton which is 14%
2 Crores gained

Products Used: Energia and METI Live

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Industry 4.0 – Energy Bill & Monitoring

SKCL Ltd



The Problem

Energy bill for Tech park.
Dispute on energy billing due to data accuracy, meter reset, failures etc.
Human resource utilisation

The Solution

Energia installed at 5 different location.
Centralised monitor at corporate office.
Alert management system.

Benefit

Invoice generation made automatic.
Maximised human resource utilisation from 15 days to 1 day for invoicing.

Product Used: Energia and METI Live

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Process, Energy & Production Monitoring

Dairy Segment



The Problem

Remote monitoring and Alert for Bulk Milk Chiller.
Maintaining record for FSSAI & Audits.

The Solution

Impertio was installed to monitor temperature energy.
C-time for production.
Alert management and METI live tool for any smart device.

Benefit

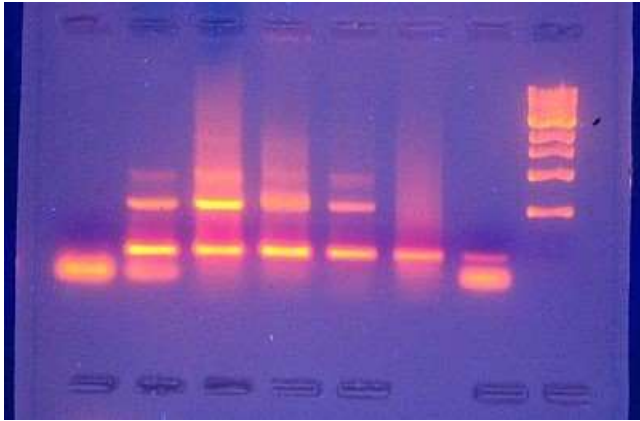
Assured milk quality as per FSSAI norms.
Live milk temperature in real-time and alert system on conditional monitoring.
Failure prediction with Energy data.

Product Used: Impertio and METI Live

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Industry 4.0 – Process monitoring

Pharma Segment



The Problem

Need for real-time data on drug raw material storage.
Sample storage till life cycle as per CDSCO regulation.
Unexpected failure of Stability chambers, Chillers.

The Solution

Impertio and live data on cloud.
Conditional Alert management system

Benefit

Real time data on temperature and humidity for CDSCO regulation.
Conditional alerts system helped customer save samples.
Improve process quality

Product Used: METI Impertio and METI Live

Industry 4.0 – Solar Power Plant Monitoring

Solar Segment



The Problem

Monitor performance of solar MW power plants remotely.
Improve plant efficiency.

The Solution

METI string monitoring installed at combiner box.
Live monitoring of inverters.

Benefit

Improved 18% plant efficiency
Detected string failures
Reduced skilled resources at site.
Multiple plant live information at corporate office.

Product Used: METI Impertio and METI Live

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Welcome to Industry 4.0 Journey



“We at METI foster Industry 4.0 implementation to effective implementation.”

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