TF OpEfficiency

THOUGHTFOCUS

An IIoT-connected analytics framework for making smarter decisions

Using your existing BI tools, TFOpEfficiency is an IIoT-connected analytics framework of best practices, pre-built proven formulas, and battle-tested insights that help you make smart decisions faster. TFOpEfficiency measures equipment efficiency and underlying losses to provide essential insights for systematically improving the manufacturing process. The framework uses overall equipment efficiency as the single best metric for identifying losses, benchmarking progress, and improving equipment productivity.

Reduce unplanned (and planned) stops

Minimize production rejects and rework

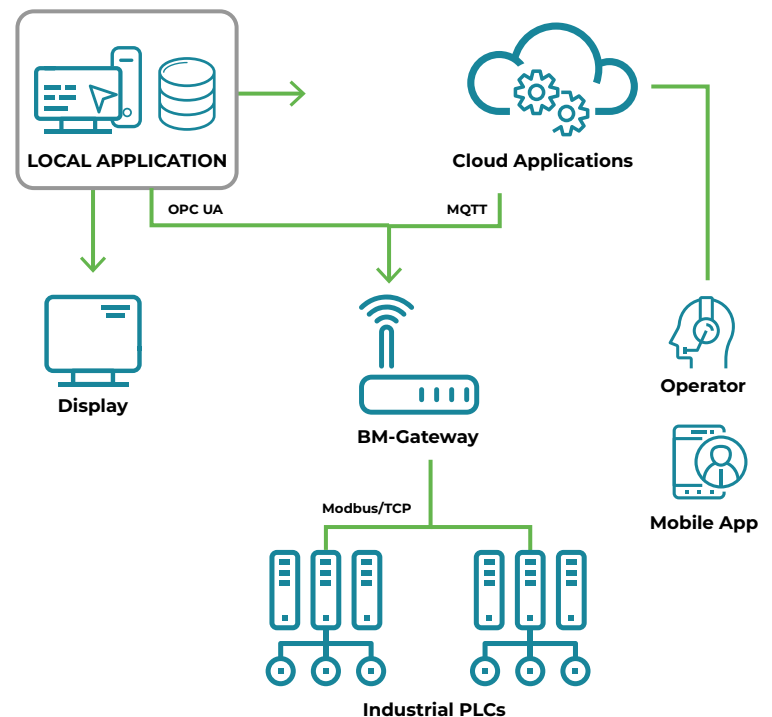**Maximize throughput and profitability**

Uncover insights and improve productivity

FEATURES

- Seamlessly integrates with existing production system without affecting the ongoing process

- Provides insights into the six big losses impacting manufacturing (unplanned stops, planned stops, reduced speed, minor stoppage, production rejects, and rework)

- Helps to manufacture only good parts at the maximum speed and without interruption

- Proven dashboards designed to find hidden insights within your organization's data

- Dashboards make it easier to quickly deploy production-tested models

- Make faster decisions about your business

SOLUTION OVERVIEW

LOCAL APPLICATION

Cloud Applications

OPC UA

MQTT

Display

BM-Gateway

Operator

Mobile App

Modbus/TCP

Industrial PLCs

Microsoft Azure
measure productivity

reduce downtime and defects

define improvement targets

THOUGHTFOCUS

BENEFITS

Seamlessly integrate with existing production systems

Make smarter decisions and uncover insights with dashboards

Reduce complexity and focus on information that matters

Improve production efficiency with real time metrics and benchmarks

Understand machine performance and reduce downtime, and defects

Find hidden insights in production data with pre-built models

USE CASES

Improve machine lifespan
Understand machine performance, improve throughput and ROI on equipment investments.

Uncover the causes of downtime
Drill down into the root cause of downtime and reduce the impact of defects.

Maximize productivity
Create real-time improvement targets. Use data to maintain a competitive edge.

SECURITY & COMPLIANCE

- Highly secure and fully compliant cloud platform
- Integration with Cloud Data Loss Prevention (DLP)
- Cloud platform (AWS, Azure, GCP) provides built-in data protection at scale
- Multilayered security provides redundancy and reliability
- Data is automatically encrypted while in transit and at rest

TECHNICAL INFO

TFOpEfficiency's underlying framework and logic works with any off-the-shelf analytics or dashboard tools including:
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Tableau
Klipfolio
DataStudio
Looker
Sigma
PowerBI
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TFOpEfficiency also supports major Industrial PLCs and SCADA systems.

ABOUT THOUGHTFOCUS

ThoughtFocus helps forward-looking companies innovate. We are driven by a single mission – to help our clients achieve a better future faster. Our cutting-edge solutions bring together industry expertise, technology acumen, and digital operations – custom designed to drive quantum change in your business. ThoughtFocus is a US-based privately held company, funded by Blackstone.
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