



# KloudSFA: Feel the Pulse of Your Factory

Increase your Overall Equipment Efficiency using Real-time Data driven Reporting and Actionable Insights

More often than not, breakdowns occur on the shop floor, where large-scale productions take place and blind-spots go unnoticed. Managing production shortages, reducing bottlenecks, proper capacity planning and streamlining the overall manufacturing process for a more efficient, faster and better quality production is of utmost importance in today's world.

# Introducing KloudSFA

**K**loudSFA is an outcome of over 100 years of excellence in manufacturing industry. Ingrained with our progressive solution approach, it effectively helps address challenges pertaining to the Plant Capacity, Utilization, Machine Shop Efficiency and Effectiveness. Overall Equipment Effectiveness a.k.a OEE proves to be the crucial factor for measuring efficiency of any manufacturing setup.

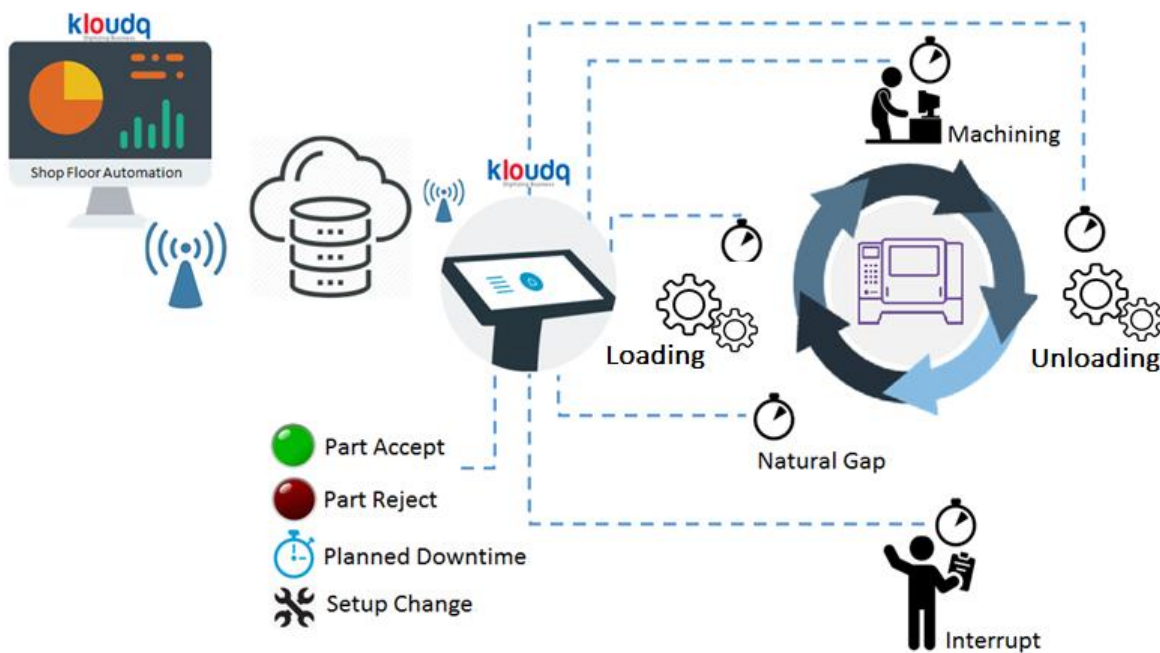
One of the major goals of OEE measurement is to reduce and /or eliminate Six Big Losses. These losses are most common causes of equipment-based productivity loss in manufacturing:

Overall Equipment Effectiveness	Recommended Six Big Losses	Traditional Six Big Losses
Availability Loss	Unplanned Stops	Equipment Failure
	Planned Stops	Setup and Adjustments
Performance Loss	Small Stops	Idling and Minor Stops
	Slow Cycles	Reduced Speed
Quality Loss	Production Rejects	Process Defects
	Startup Rejects	Reduced Yield
OEE	Fully Productive Time	Valuable Operating Time

The KloudSFA platform not only helps you to measure OEE but also offers a systematic approach to production management.

# Solution Architecture

KloudSFA is suitable for a variety of processes and production environments. The hardware is configurable to capture vital process parameters. The reports are presented in a user-friendly web application and can be tailored to your specific requirement.



## Efficiency Parameters monitored:

- Overall Equipment Efficiency (OEE)
- Equipment and human resource utilization
- Equipment uptime
- OEE of bottleneck





## Cost parameters monitored:

- Coolant management
- Tool Management
- Power Consumption
- Manufacturing cost at equipment level

## Planning parameters monitored:

- Equipment booking against demand
- Economical batch quantity
- Bottleneck identification based on demand and scheduling
- Potential of balancing: Capacity release and enhancement to equipment utilization

# Business Benefits

 <b>INSIGHTS</b>	<ul style="list-style-type: none"><li>• Single moment of truth</li><li>• Least manual intervention</li><li>• Andon display</li></ul>
 <b>ENHANCED EFFICIENCY</b>	<ul style="list-style-type: none"><li>• Enhance productivity of shop floor through efficient planning</li><li>• Real time activity monitoring for resource management</li><li>• Integrated reporting from various heterogeneous platforms</li></ul>
 <b>OPTIMISED INVENTORY</b>	<ul style="list-style-type: none"><li>• Improve supply chain, forecast, plan &amp; produce as per EBQ</li><li>• Reporting at the smallest cost driver (at equipment level)</li></ul>
 <b>DATA-DRIVEN REPORTING</b>	<ul style="list-style-type: none"><li>• Improved availability and accuracy of utilization stats</li><li>• Real-time trend mapping of resources</li><li>• Analytics as per requirement at various levels of management</li></ul>

**Kloudq Technologies Limited is a software organization that offers a wide array of innovative cloud-based Industrial IoT solutions and tailor-made SaaS solutions with the potential to empower and transform your business.**

***Get in Touch!***

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