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Customer Case Study:

A SWIFT OEE MONITORING IMPLMENTATION

Example: Implementing ANT Solutions' OEE Performance Monitoring in an FMCG (Biscuits) Production Facility

Introduction: The Initial State of the Factory

- Biscuit production facility owned by renowned FMCG conglomerate

- Faced operational challenges: lack of real-time visibility, high waste levels, recurring human errors

- Management had little knowledge of day-to-day progress, making it hard to identify bottlenecks and plan preventive maintenance

- Absence of data-driven decision-making system led to inefficiencies in productivity

The ANT Solutions Approach:

- ANT Solutions conducted on-site analysis to understand factory issues

- Identified gaps and proposed bespoke solutions

- Comprehensive solution: software and hardware upgrades for better machine connectivity and production monitoring

- Proposed OEE Performance Monitoring system to track real-time data and perform preventive analysis

Implementation Stage:

1. Automated data gathering from legacy machines

- Structured and swift implementation process
  - 3 weeks on-site analysis
  - 3 months full system roll-out

- Installation of hardware components and enabling machine connectivity

- Integration with ERP system

2. Advanced data driven applications

- Deployed OEE Performance Monitoring software and integrated with existing IT systems
  - Production Execution
  - Defect handling
  - Digital documentation
  - Maintenance Andon
  - Master Data

- Dozen reports analyzing production, quality, trends and targets. Plant, machine and time range views

- Data aggregation in the Cloud

3. Complete solution implementation

- Conducted staff training workshops on the new system and its functionalities

- Delivery of technical and project documentation

- On-going 24/7 support

The Outcome

6%
YoY increase in OEE demonstrated improved utilization of production resources

14%
reduction in waste was achieved with the aid of the Pareto chart, identifying production malfunctions

5%
shorter downtimes were realized as preventive analysis helped identify potential machine breakdowns

100%
of line managers overwhelmingly agreed that the new system made decision-making progress easier

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