Idhammar

Idhammar OEE – the vital production support toolkit for Manufacturing Managers

Real-time production reporting to make every second count

The Idhammar OEE software system is a vital management and *decision-support tool*. Users from shop floor to boardroom can achieve *greater control* of daily plant management; at group level, division, site, line and key asset.

Idhammar OEE provides:

At a glance KPI information displayed to production lines	**Powerful OEE trend analysis to uncover hidden losses**
Alerts to accelerate response times to performance recovery	**A driver for continuous improvement**

Time-saving data capture designed to engage operators

Supporting a range of data acquisition methods from manual to fully automated, Idhammar OEE is designed to *speed up and improve the accuracy of data analysis* with:

Intuitive interfaces for painless data entry	**Quick access to 'favourite' functionality & saved reports**
Graphical displays ensures information is easy to interpret	**Configurable automated data capture**
Role-based access controls	**Real-time dashboard Andon reporting**

Also available for download from www.idhammarsystems.com/resource:

Idhammar OEE	**Idhammar REPORTS**	**Idhammar Cloud**
The Business Case	Browser based, real-time reporting	Flexible delivery, system architecture & licensing options

Core System

- OEE Analysis
- 'What if' Analysis
- Productivity Analysis
- Improvement Agenda
- Critical Control Points
- Suggestion Scheme
- Barcode Scanner

Data Capture:

- Manual LDP
- Automatic LDP

Reporting

- OEE Dashboards
- OEE Business Alerts
- Andon Display

Additional Functions

- Productivity Monitor
- Shift & Trend Monitor
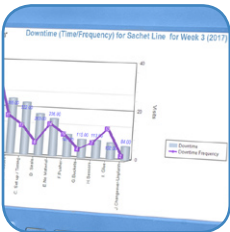- Energy Monitor
- Quality Monitor

Integration

- CMMS
- WCM
- plus many other systems

Vital production support toolkit

Downtime by time & frequency

Prove compliance with full audit traceability

Satisfy auditors by **enabling greater visibility and control** of saleable product, rejects needing rework, and waste. Idhammar OEE supports statutory plus quality compliance standards, including **ISO 9000, ISO 9001, ISO 22000, ISO 13485, TS16949, GAMP, BRC Audit and FDA 21 CFR Part 11**. Additionally, user-restricted access (RBAC) is a standard feature. If the system is hosted by Idhammar it will also comply with ISO 27001:2013 security management requirements.

Reduce energy costs resulting from waste

Idhammar OEE is proven to **facilitate energy savings** by analysing major contributors to waste, including:

Breakdowns & Start- up	**Rejects & scraps**
Slow running	**Under-utilised capacity**

Dedicated implementation, training and support

Idhammar Systems offers a range of services designed to **maximise ROI** through a combination of **consultancy training**, and **ongoing support** that spans from planning, through implementation, to every-day system use.

Our **experienced implementation team** provides assistance and guidance in the configuration of Idhammar OEE to enable all stakeholders to **maximise their understanding** of all significant operational issues and trends in a timely and informative manner.

KEY BENEFITS OF IDHAMMAR OEE

1 **Real-time production reporting;** making every second count

2 **Time saving data capture;** saving time and money

3 **Operator engagement;** gathers information quickly to improve factory efficiency

To find out more about Idhammar's OEE software and complementary products:

Core Idhammar OEE Functions

> *Before using Idhammar's OEE system, it was very difficult to monitor line activity. We now have scientific evidence to show exactly how the line is performing, rather than anecdotal educated guesses*
>
> *2 Sisters Food Group*

OEE Analysis with user-defined reports

Idhammar OEE provides more than **fifty standard chart and text reports** at the touch of a button, including:

Set priorities with start & completion dates / times	**Identify spare part requirements & estimate costs**
Allocate resources & balance workloads	**Describe planned & unplanned work to be done / completed**

Additional user-defined reports can be configured quickly and easily.

Overall Labour Effectiveness - analysis to measure productivity

Idhammar OEE highlights 'Labour Recovery' opportunity by comparing 'actual labour' used within the process, with the established 'target crew size' to calculate an accurate Overall Labour Effectiveness score:

Report on labour costs by asset, shift, product & work order	**Automatically alert engineers when upper / lower limits are exceeded**
Set user-defined production parameters	**Set temperature, pressure & fluid chemical concentrate levels**

Critical Control Points monitoring

Idhammar OEE is able to monitor Critical Control Points (CCPs) to inform decision making about asset care and maintenance over time:

Short term: respond quickly to CCP maintenence alerts	**Long term: analysis and evaluation of CCP maintenance**

> *The functionality and user friendliness of the system made Idhammar the choice for our business*
>
> *Smith & Nephew*

OEE Business Alerts that enable rapid & informed decision-making

Designed to **automate the escalation process** to resolve issues quickly. Idhammar OEE can trigger Business Alerts based on any predefined exception criteria such as:

Waste above a certain level	**Down-time for the shift over X minutes**
'Short-Order' position	**Throughput below target**

Depending on the requirements to alert private, public or user defined groups, alerts can be communicated via SMS, e-mail and/or Dashboards and Andon Displays. Where required, a 'Call for Help' can be automatically sent to a CMMS, preventing critical issues being missed during equipment down-time.

To find out more about Idhammar's OEE software and complementary products:

Idhammar OEE Core Functions

Barcode Scanner for full product traceability

The OEE database links the material definitions to the product run, for full batch traceability. Using a cable-free, handheld barcode scanner it is *easy to keep track* of all materials to ensure *full product traceability* of:

Materials origin	**Date & time**
Materials definition	**Operator ID**

Fully integrated Improvement Agenda to make action unavoidable

Idhammar's Improvement Agenda has built-in best practice for 'Accountability' which takes users through a process of 'measuring, prioritising, allocating and resolving' each production issue. The Improvement Agenda makes it easy to:

Assign flags to plan, measure & monitor actions	**Allocate skilled resources to resolve the issues**
Identify 'Top 5' losses' & actions to reduce/ recover loss	**Calculate cost savings of resolving the loss**
Record target completion & review dates	**Identify essential loss management strategies**

'What If' Analysis filters to quantify opportunities

Use 'What If' filters to quantify the potential improvement opportunity available if particular issues (such as fault, failure or process step) are eliminated. The potential improvement opportunity is calculated as an OEE improvement percentage. These filters can be applied to individual lines, product categories, events, trends or across entire entities.

Online Suggestion Scheme to engage the whole team

Idhammar's online OEE suggestion scheme offers a great way to engage the whole team by allowing them to *help shape the continuous improvement process* by submitting suggestions. Suggestions appear in core OEE for review and action by senior management. In addition core OEE provides response tools to ensure the employee who has generated the idea is *kept informed of progress.*

Integration with CMMS and WCM Systems

Idhammar OEE integrates with a range of operational improvement systems enabling manufacturing teams to gain greater control of production. Idhammar OEE can trigger Work Orders in Idhammar MMS (or other CMMS solutions) to alert Engineers to downtime issues and get production back on track as quickly as possible.

For manufacturers aspiring to become World Class with a zero tolerance to downtime – integrate Idhammar OEE with the Idhammar WCM system.

To find out more about Idhammar's Cloud Hosting Services and products: