

# FRONTLINE OEE

## Tracking and increasing the Overall Equipment Effectiveness of manufacturing assets and cells

Identify and attack the root causes of production losses - *downtime, slow running and rejects*

Dramatically increase the production capacity of existing facilities by exploiting the 'hidden factory'

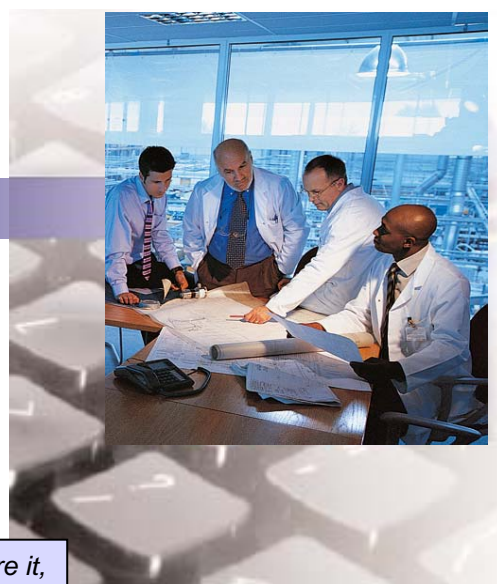
Quantify the penalties and opportunities of production bottlenecks and pinch points

Evaluate the product winners and losers – and best and worst-performing production cells and teams

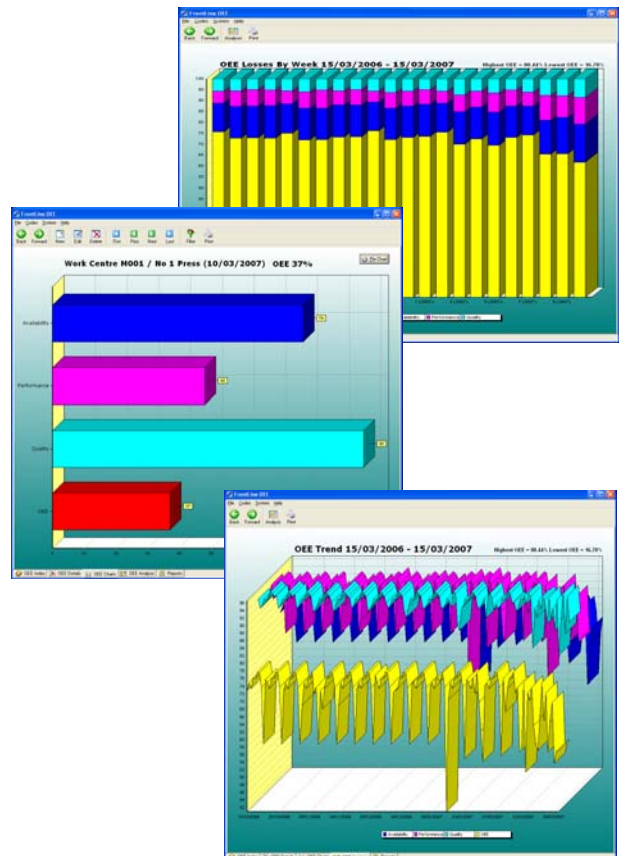
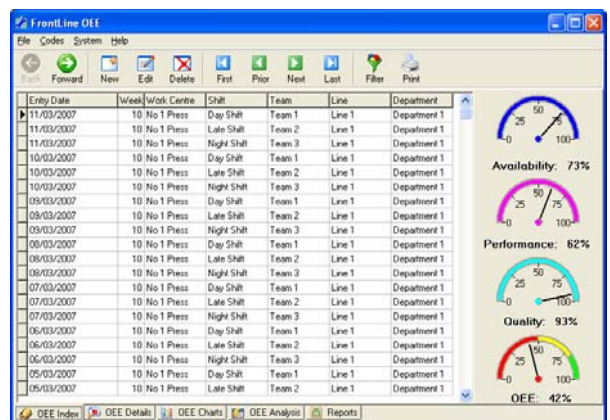
### Benefits

- More production capacity without capital expenditure
- Fosters a complete view of the shop floor events adversely impacting prime quality production output
- Focuses management attention on the issues that most constrain production and profit performance
- Know the business gain of a 1% increase in OEE
- Furnishes clear, compelling and actionable information to shop floor and management teams
- Facilitates shop floor team-working and continuous performance improvement
- User-friendly, with an intuitive interface in line with visual factory principles
- Comprehensive reporting with drill down capability - including on-screen shift reports
- A low cost, highly effective problem-solving tool that can pay for itself in a few weeks
- An easy add-on to FrontLine Maintenance Management

[Find out more. Contact us today](#)



*'If you can't measure it, you can't manage it'*



# OEE = AVAILABILITY × PERFORMANCE RATE × QUALITY RATE

## The Situation

As cost pressures increase and global competition bites into profits, no manufacturer set on long term survival can ignore the OEE methodology.

OEE is an essential strand of the Lean Manufacturing strategy and the de facto manufacturing performance metric. It's use enables resolute managers to boost production volumes and business returns without capital expenditure – by 'sweating' their existing production assets.

The average production team routinely faces one problem and panic after another. Some recur so regularly, it can seem like Groundhog Day.

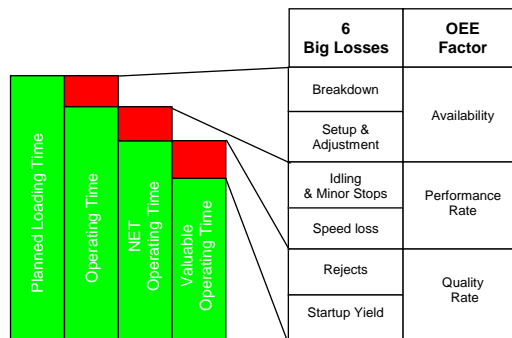
It's not lack of will that prevents the root causes of persistent problems from being resolved, but the absence of detailed information on which to act. There's generally no shortage of opinion, but clear, timely, actionable information is scarce and, in the frenetic production environment, there's little or no time to rewind events and analyse what happened and why.

The list of reasons for things going wrong can be as long as your arm. To filter out the critical few from the morass of the many, hard data is essential.

**OEE enables the production bottlenecks and pinch points to be verified without question, the prime reasons for losses to be positively identified and**

**ranked - and the actions that will deliver the most rapid and advantageous gains decided.**

Some managers attempt to track and analyse adverse events using their computerised maintenance management system (CMMS). Although useful, this provides only a very limited view of what's actually happening and why. Equipment failure is just one broad category in the litany of reasons for production losses. For effective control, it's necessary to collect and analyse information on total adverse events. An OEE information system is essential for this.



## The FrontLine OEE Solution

Frontline OEE is an easy-to-use, uncomplicated, situation analysis and problem solving tool. It can be used to measure and analyse performance in any production or manufacturing environment. It will track the Six Big Losses and calculate Availability, Performance Rate, Quality Rate – and OEE.

FrontLine OEE facilitates the precise identification, ranking and reporting of production losses, wherever they're rooted:

equipment, people, materials, methods, and so on – it enables managers to keep on top of the 'seven wastes'. The system can offer a clear view of what's happening in the production area. It provides precise information with which decisive action can be taken.

Just 'point' FrontLine OEE at the problem areas to shed light on what's happening. Adopting the Theory of Constraints approach, the biggest gains can be won by tackling issues in order of the scale of their impact on production.

Spreadsheets! If you aspire to Lean Manufacture, you shouldn't even think about using them to record and report OEE performance – they just don't fit with OEE, TPM and Lean thinking. They waste time in a big way, are not user-friendly, have poor security and their reporting capability is limited – everything you don't need!

As manufacturing performance improvement lies significantly in the hands of shop floor personnel, their enthusiasm for the look and feel of their OEE information system is critical to its success. Just as for CMMS, to be a productive tool and not an ornament left on the shelf, the system must not only do its job but engage the interest of the users in the front line. A good OEE system must be bright, attractive, easy-to-use and present performance data as compelling information.

FrontLine OEE fits that bill.

Find out more. Contact us today



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