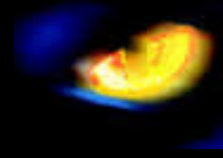


Downtime Quality
Efficiency Capacity
Performance
Production

OEE IMPACT

SOFTWARE

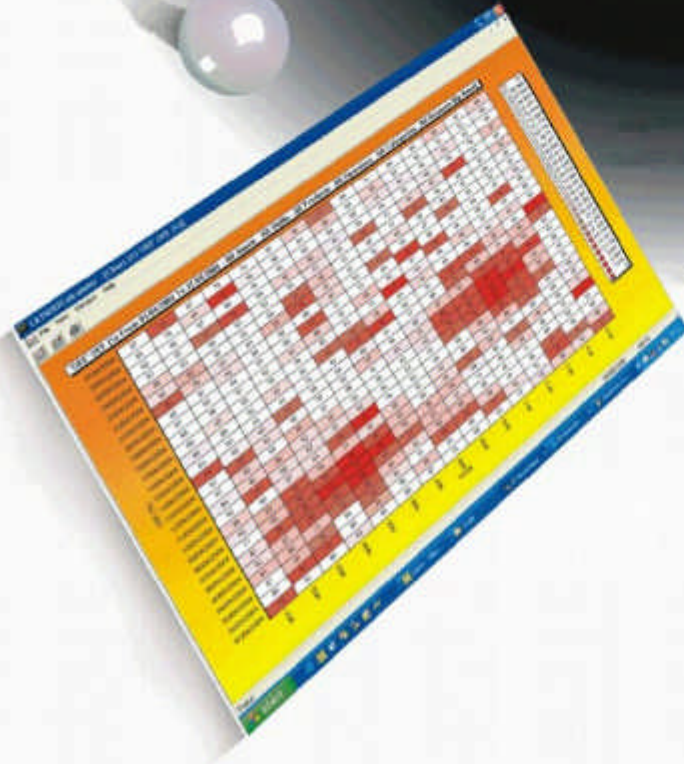
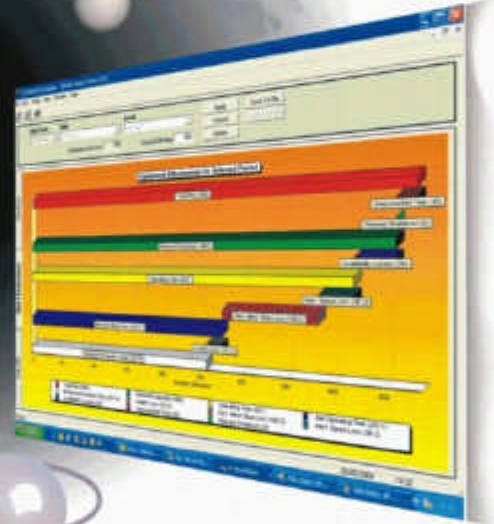
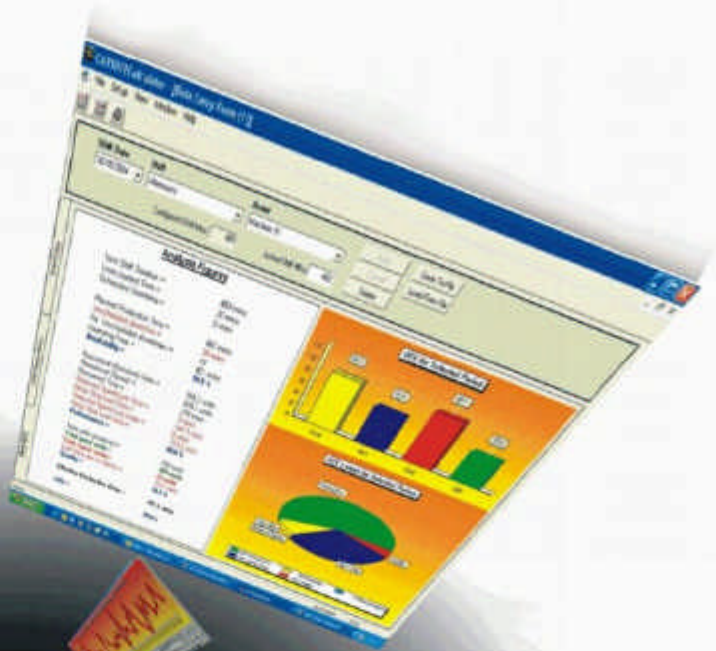
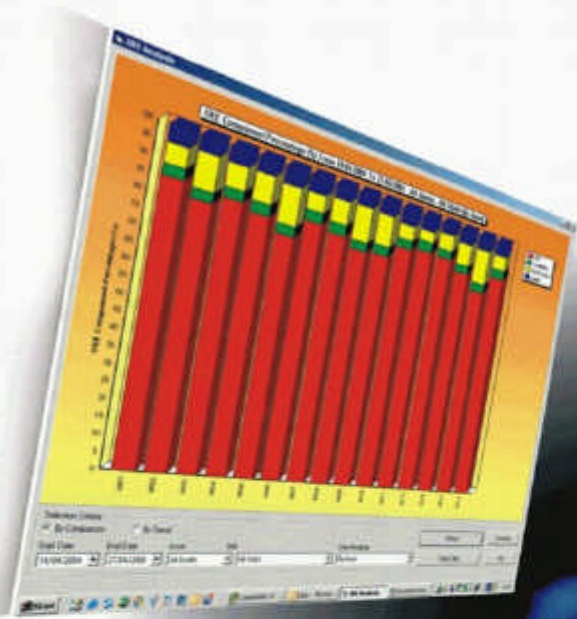


PRODUCTIVITY IMPROVEMENTS COME AS STANDARD

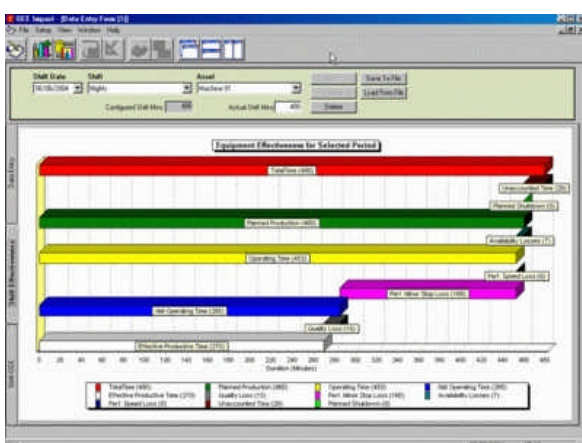
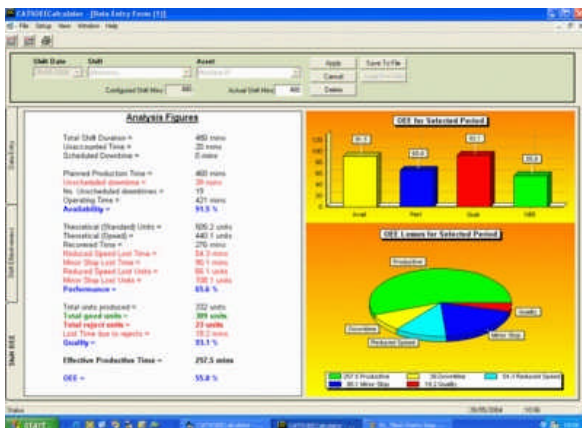
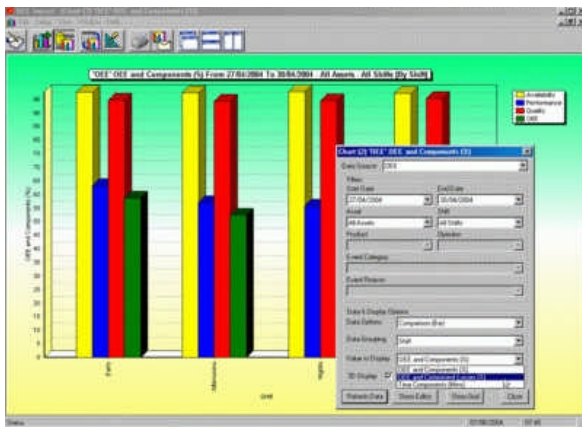
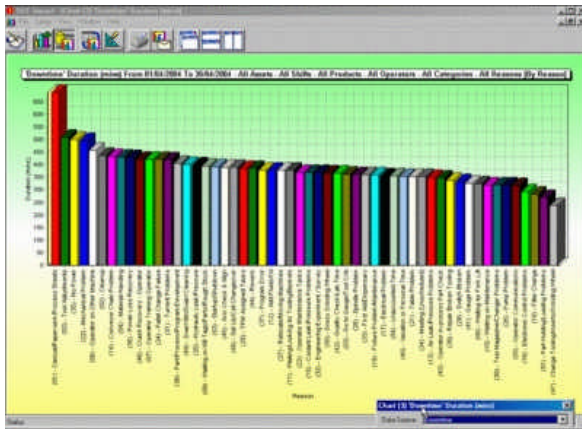
GEMBA

SOLUTIONS

strategic efficiency for industry



Available with MANUAL or
AUTOMATED data collection



OEE IMPACT ME (manual data collection)

OEE IMPACT ME will revolutionise the way in which companies collect and analyse manufacturing shop-floor data. It's intuitive interface and feature-rich reporting tools enable users at all levels to efficiently and effectively identify availability, performance and quality and determine **overall equipment effectiveness (OEE)**. With this vital information to hand, areas of improvement can be quickly identified and addressed, increasing productivity and driving down cost.

"reduced downtime"

OEE IMPACT ME includes all the tools necessary to measure, record and analyse OEE in any type of manufacturing or production environment. However, going beyond the recognised OEE definition, OEE IMPACT ME provides an array of invaluable additional features identified by our clients and engineers over many years of using our **CATS IMPACT MES** product in the manufacturing arena. Features such as product performance analysis, downtime analysis, wastage/rework identification and human resource usage all add to the benefits you get as standard with OEE IMPACT ME.

"designed for growth"

OEE IMPACT ME is fully scalable both in size (number of monitored cells/machines) and accessibility (number of users) and will grow as your operation grows, ensuring that your initial investment is never wasted.

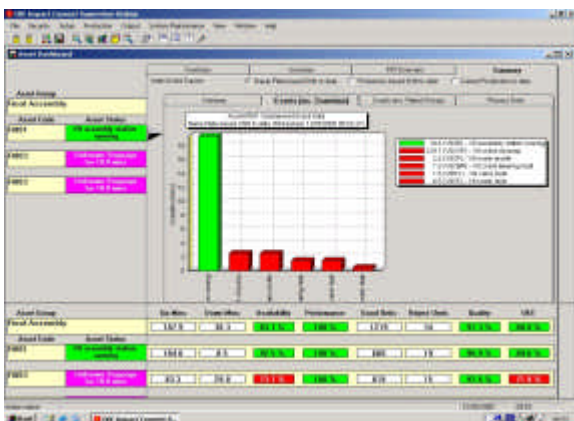
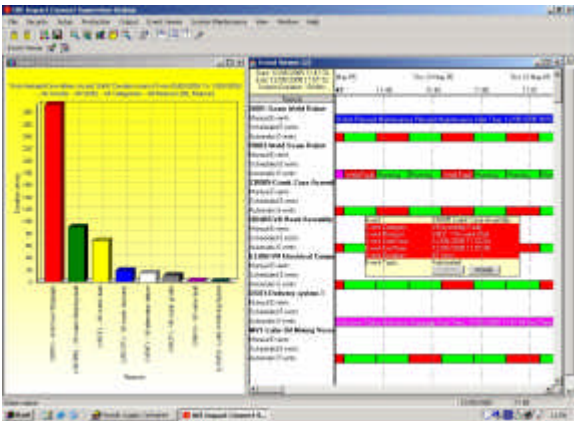
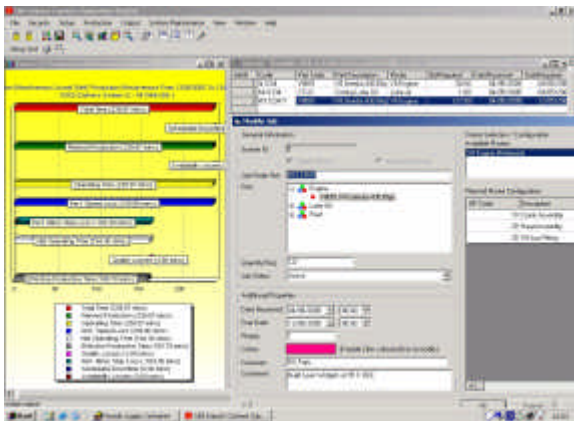
"an invaluable tool for the future"

We feel sure that once installed OEE IMPACT ME will become a key tool in your productivity toolbox, enabling you to get to grips and IMPACT on your:

- **Machine availability**
- **Downtime**
- **Utilisation**
- **Throughput**
- **Shop-floor losses**
- **Maintenance performance**
- **Product winners and losers**
- **Mean time between failures**
- **Bottle-neck identification**
- **HR and shift performance**
- **Set-up performance**
- **Quality, rework and wastage**

OEE IMPACT ME is designed to run on any standard PC with 2000 or XP and is network-ready. The basic package supports up to 4 client connections to the central OEE IMPACT 'server' through which networked users can gain access to OEE IMPACT ME's wealth of features and reporting tools.

In addition to standard OEE, OEE IMPACT ME supports a number of invaluable additional features such as downtime analysis through the entry of multiple equipment stoppage reasons; scrap management through the entry of waste, scrap and rework data.



OEE IMPACT CONNECT (automated data collection)

OEE IMPACT CONNECT software and hardware products have been specifically designed to provide a low cost solution for tracking and reporting shop floor production **OEE Key Performance Indicators**. It will provide concise and easy to use real-time and historical reports for all personnel from the shop-floor to the boardroom.

OEE IMPACT CONNECT provides a lot more functionality than just historical and real-time OEE reporting. It has additional 'included as standard' capability to provide complete reporting of human resources, downtime, shift performance, product performance, job planning + much more.

OEE IMPACT CONNECT for **real-time data collection** can be simply achieved with the use of the specifically designed OEE IMPACT CONNECT Data Collection Terminals (DCT's) normally located next to the target machine/asset which can connect to the OEE IMPACT Server over RS485 or Ethernet (cabled or Wi-fi).

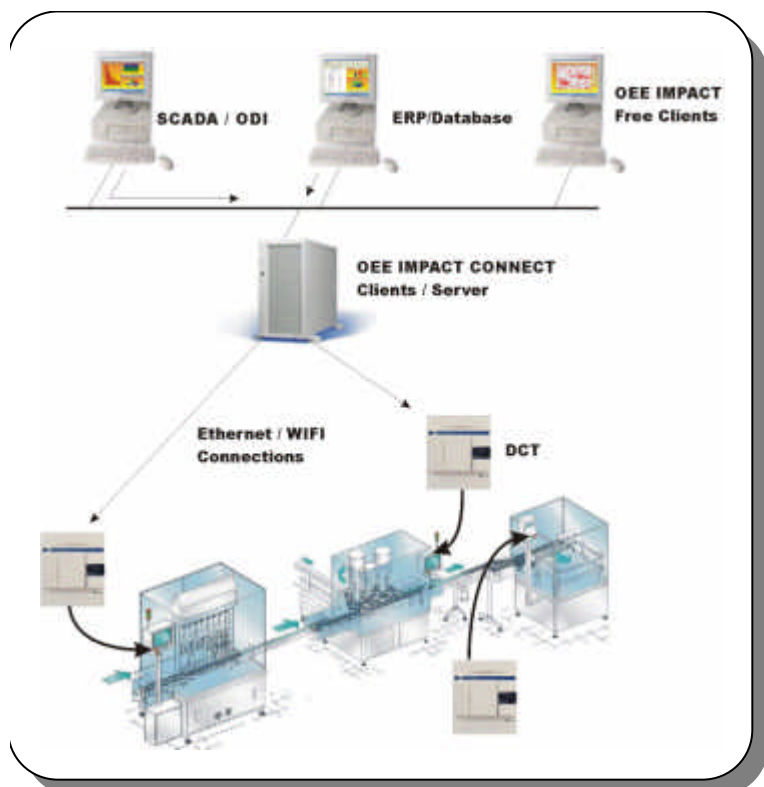
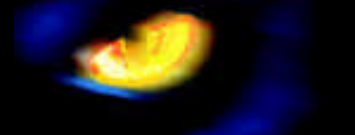
OEE IMPACT CONNECT also includes an **Open Database Interface (ODI)** as standard which allows import of simple **XML (CSV)** data to OEE IMPACT'S database. This can be typically used to update OEE IMPACT'S configuration data, or can also be used to input process data from third party software systems such as SCADA, ERP or other systems that can output a compatible XML file.

OEE IMPACT CONNECT can be implemented with any combination of fully automated and/or manually collected data, providing maximum flexibility and scalability to implement your OEE IMPACT solution, ensuring you only purchase what you really need, but also allowing you to expand your system with ease.

- *Real-time OEE and production status*
- *Production planning*
- *Real-time overview mimics*
- *Operator asset dash board*
- *Identify your unused production capacity*
- *Time line event viewer*
- *Monitor planned maintenance*
- *Over 300 production reports*
- *Low cost plant connect hardware*
- *Free client software*
- *Automatic data collection*
- *Increase asset downtime*

OEE IMPACT CONNECT Client Software

The OEE IMPACT CONNECT client software is the graphical user interface (GUI) when using OEE IMPACT on a PC. When you purchase OEE IMPACT CONNECT server software you also get the OEE IMPACT client software. OEE IMPACT client software can be installed on the OEE IMPACT Connect server as well as an unlimited number of PC's on a LAN or WAN network that has security access to the OEE IMPACT Server database at **no additional cost per user**.



Six Sigma data Capture

The collection of data from the manufacturing environment is key to Six Sigma projects to identify and solve problem areas causing defects. **OEE IMPACT** software provides a deployable platform to act as the data centre for your Six Sigma projects.

Lean Manufacturing

OEE IMPACT software forms a core part of any Lean Manufacturing implementation. Being able to schedule work to the shop floor and monitor production in real time allows maintenance and operation staff to react to the continuously changing production environment.

Once installed, we provide added functionality for product tracking, product genealogy, online work instructions and extended HR tracking with our LEAN IMPACT Solution

OEE IMPACT System Implementation

Gemba Solutions offers a range of implementation support services, from consultancy and on-site technical support through to turnkey system implementation, ensuring that your **OEE IMPACT** package fulfils your requirement.

OEE IMPACT Training

Gemba Solutions offers a comprehensive range of in-house and on-site training programs for **OEE IMPACT** and other Gemba products, allowing you to maximise the benefit gained from their use in your operation.

OEE IMPACT Support Program

When purchasing **OEE IMPACT** you can rest assured that full product support will be available. Gemba Solutions offers a range of support services, from web-based help through to 24 hour on-line support, tailored to meet your requirement.

Who are Gemba Solutions?

Based in the UK, **Gemba Solutions** has been providing plant-wide Manufacturing Execution Systems (MES) and services around the world since 1996, helping our clients to analyse, control and improve productivity in every aspect of their manufacturing operation.

Gemba Solutions is accredited to quality standard BS EN ISO9001:2000, Tick IT and is a Microsoft Solution Partner.

OEE IMPACT product comparison

| Feature | OEE IMPACT ME | OEE IMPACT Connect |
|---|---------------|--------------------|
| User Security | | |
| Fixed user security | yes | no |
| Fully configurable security | no | yes |
| General Functionality | | |
| Manual Data Entry | yes | yes |
| Full configuration tools | yes | yes |
| Asset performance standards | yes | yes |
| Product based performance standards | yes | yes |
| Configurable shift patterns | yes | yes |
| Automated real-time data collection | no | yes |
| PLC interface | no | yes |
| Real-time graphics | no | yes |
| Time event viewer | no | yes |
| Graphics builder | no | yes |
| HR Logging | | |
| Single HR asset logging | yes | yes |
| Multiple HR asset logging | no | yes |
| Real time data dashboard | no | yes |
| Data Importer | | |
| XML configuration import tool | no | yes |
| XML Data Interface | no | yes |
| OEE Reporting Groups | | |
| Single asset | yes | yes |
| All assets | yes | yes |
| Shift reporting | yes | yes |
| Product reporting by shift | Yes | yes |
| Product type reporting | no | yes |
| Asset Group reporting | no | yes |
| Unlimited free network users | yes | yes |
| IMPACT Design Data collection terminals | no | yes |