

## Meeting your production targets



Andon scoreboards have traditionally been a fairly basic and quite expensive addition to your lean manufacturing program. The data they display is usually fixed, with restricted headings, and they limit you to a snapshot view of what's currently happening on your shop-floor—once the display changes, the data is lost.

Gemba Solutions has addressed these issues, and provides a fully flexible and user-configurable LCD display with a whole host of additional features.

**Offering a new alternative to outdated technology, Gemba Solutions provides the missing piece in your Lean Manufacturing jigsaw...**

## What are the benefits?

### Flexible LCD Display...

- ◆ You can program the display to show what ever data you like
- ◆ You can change how the display looks whenever you like
- ◆ Off-the-shelf delivery means no long waits for equipment to arrive

### It's not just a snapshot...

- ◆ All the data is available for review and analysis on a historical basis on your PC desktop
- ◆ Rapidly identify any problem areas in your process and take corrective action
- ◆ Provide management reporting quickly and easily

### And when there's a problem...

- ◆ Display messages and alerts on the Scoreboard
- ◆ Automatically escalate problems to senior staff via email, text, pager etc



- ◆ Automatically trigger alerts based on any aspect of your production process



### Go wireless...

- ◆ Put button boxes anywhere without worrying about all the wires
- ◆ Move button boxes around as much as you like
- ◆ Supervisors can move around the shop floor and take a button box with them
- ◆ No need to wait ages for an electrician to come and install things
- ◆ Minimal cabling means minimal cost to install



## The benefits in more detail.....

### Flexible LCD Display...

With our user-friendly Andon Supervisor software, you can easily configure your displays to show whatever production data you think is relevant, ie. minutes of shift elapsed; minutes required to reach daily target; minutes behind target; TAKT time etc, and change the layout as often as you like.

Enter your production requirements and the software will quickly calculate TAKT times and a production plan for your machines/lines that automatically takes account of planned downtime (ie. breaks etc). A visual on-target indicator will let you know how you stand against target in real-time, and you can also view a profile of progress throughout each shift.

Our standard LCD displays (all sizes available) are stock items, which means you don't spend a lot of time and money getting customised boards designed, made and delivered.

### It's not just a snapshot...

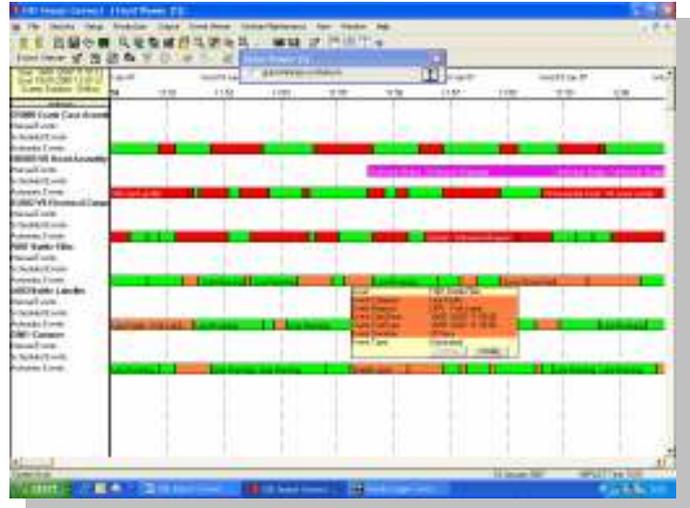
Unlike a traditional Andon scoreboard, the data collected by our Andon solution will be saved, and provide you with an historical summary report showing shift and daily/weekly performance, including TAKT times, targets, actual production achieved, rejects, downtime, etc.

You can drill down into this data to find out where your problem areas and production bottlenecks lie, decide on changes to your process and then check your summary reports to ensure that your results have improved—no data is ever lost.

Get rid of all your spreadsheets and the headache that goes with trying to produce management reports each month, and use this mechanism to quickly and easily pull out what you need.

### And when there's a problem...

...wouldn't it be useful if your production process could automatically alert your staff to issues that need their attention, and then escalate alerts to senior staff when necessary? You can use our Andon solution to display alerts via your Andon scoreboard, as well as by other mechanisms including email, text message, pager, etc. With our Andon Supervisor software, you can create multi-step processes that allow your staff to react to situations as they occur.

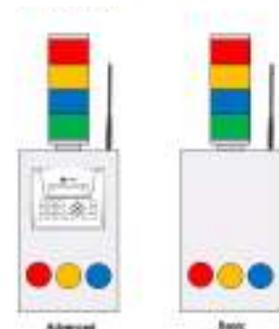


Alerts can also be triggered automatically by an aspect of your production process:

- ◆ *A maintenance engineer is required*
- ◆ *Material is required to restock your Kanban system*
- ◆ *Your efficiency level has fallen below a given target*
- ◆ *Your defect level has risen above a given threshold*
- ◆ *A machine has broken down*
- ◆ *A temperature/pressure/torque reading is out of tolerance*

### Go wireless...

Our flexible Andon solution offers a variety of ways to get data to your scoreboard. Our standard data collection terminals (Ethernet or wireless) can be installed at machine level and will pull data from your production process directly into our Andon Supervisor software.



Alternatively, we can provide you with WiFi button boxes that require no installation or cabling, can be positioned and moved wherever and whenever you like and provide a mechanism for an operator to call for help, flag a problem etc. Don't let your Andon system fall in to disuse just because you need to move a few machines around—move the button boxes too.