

## FORD'S ENGINE MANUFACTURING PLANT INCREASES PRODUCTIVITY WITH NEW SYNCHRONISED CLOCK & BELL SYSTEM

Mark Thomas, Engineering Manager at Ford's Bridgend Engine Plant, Glamorgan explains the benefits of Bodet's Synchronised Clock and Bell System:

### SUMMARY

#### Overview

Industry: Manufacturing

Solution: Melodys Automated Factory Bell System & Synchronised Clocks

#### Benefits

- Alerts sound automatically so it saves staff time
- Breaks start and finish on time
- Every part of the site hear alerts, including outside areas
- Ability to create zones with different schedules & alerts



#### About Bodet Limited

Bodet has provided Synchronised Clocks, Bell Systems and Time and Attendance solutions for over 25 years.

This devotion to constant improvement has enabled Bodet to become the European leader in its sector.

### What was the challenge you were looking to overcome initially?

*"Bridgend is a huge site spread over 50 acres with seven production zones producing 3 engines every minute. Getting each production line working synchronously is essential to ensure production targets are met throughout the day. Everything is timed to the second, not just the start and end of shifts, but also the timing of breaks. Every clock on site must show the correct time, and all the alert sounders must be synchronised with them. We run various shift patterns for each of the production lines, so each of the seven zones requires a separate programme to announce each shift change and break so we can maximise efficiency throughout the whole site."*



### What system was installed?



At the heart of the new system is a Bodet master clock. This takes its time signal from a GPS source so is always accurate. Slave clocks were installed at key points in the production areas, each synchronising with the master clock using radio signals. Twenty eight high power 110dB sounders

were also installed across the whole site. The sounders are also wireless for easy installation, and repeaters were included to ensure effective coverage over such a large area. The sounders are grouped into zones so each production line has its own schedule. Each sounder, or zone of sounders, synchronises with the master clock and can be programmed to broadcast up to 16 different pre-recorded sounds to differentiate the start and end of each shift or break.

### What are the benefits of the equipment for your organisation?

The new synchronous clock and bell system has proved highly effective. Every part of the factory is now working to exactly the same time schedule; all shift and breaks start and end on time so maximising productivity.

**IT MAKES SENSE TO EQUIP YOUR ORGANISATION WITH A BODET SYNCHRONOUS CLOCK AND BELL SYSTEM AND IMPROVE YOUR EFFICIENCY**

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