



## Benefits

- Reduce costs
- Improve efficiency
- Perform extreme responsiveness

## Remote boiler eWON control system eliminates boiler disasters before they happen

A leading manufacturer of small snack cakes and bakery goods, the McKee Foods Corporation, has found a solution to their remote boiler control needs with the help of eWONs' WebPort product line.

McKee Foods Corporation is best known for his line of Little Debbie snack cakes, America's leading snack cake brand. At McKee Foods, they are committed to provide consumers with quality products at an excellent value. To increase their efficiency, they decided to install an eWON structure.

eWON offers multiple remote connectivity options that include a PSTN router connection, a GSM/GPRS modem connection, or a broadband internet connection. In this example, the manufacturer was able to use the eWON's PSTN and GSM/GPRS modem options to notify maintenance personnel of current alarm conditions and give them the ability to shut down the boiler remotely, using either a land line or cellular phone.

With this ability the manufacturer was able to satisfy state regulations which mandate that any boiler systems have to be monitored during operation by plant personnel. Since the eWON allowed maintenance team to monitor and control the boiler remotely, there was no need to have personnel on site around the clock. This translated to a significant cost savings for the manufacturer and allowed them to run more efficiently and with a smaller maintenance crew.

### Remote monitoring

The system uses two eWONs, an eWON 4001 with a GSM/GPRS modem, and an eWON 2001 with a PSTN modem. The Allen-Bradley CompactLogix controller communicates to each eWON over EtherNet/IP. Each eWON monitors critical alarms from the PLC such as a loss of communication, high steam pressure alarms and many more. When an alarm is detected, a SMS text message is sent to a group of cell phones and pagers.

**“Don't let your application catch you by surprise. Let eWON notify you in real time, as events happen, and avoid disaster by improving your responsiveness”**

Customer: McKee Foods Corp.  
Country: USA  
Sector: Food (Bakery)  
Solution: eWON 4001/2001



Remote boiler maintenance enables to avoid disasters...



McKee Foods Corporate now provides secure and reliable services thanks to eWON remote maintenance system

Each operator carrying the cell phone and/or pager, are notified of the alarm condition and can respond via a text message from their cell phone or by calling a number, using a landline phone. When one of the eWONs receives the reply, it will shut the malfunctioning boiler down to eliminate possible dangers.

Once the boiler is shut down, the operator can safely proceed to the boiler site and begin diagnostics using the eWON. The operator can review the alarm history, events and historical data logs to determine the source of the failure.

The connection made between the maintenance operators and the system is provided by the Talk2M server that creates a « tunnel » between the sender and the receiver, once the operator connects. This technology is easy to manipulate and doesn't require any specific skill. Moreover, the VPN connection assures a totally secure communication, offering full integration of IT security standards.

## Conclusion

With the large feature set available from the eWON product line, it's easy to see the many benefits that can be made for remote maintenance applications. Don't let your application catch you by surprise. Let eWON notify you in real time, as events happen, and avoid disaster by improving your responsiveness. Thanks to eWON, save money and time by cutting the maintenance travelling costs.

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