

# Introduction



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Klaxon Signals have been supplying warning systems to the emergency warning sector for over 50 years. Our wealth of experience in the field stems from the vast knowledge we have gained by providing notification solutions for a broad spectrum of clients. These include clients from COMAH sites, Petro Chemical, Nuclear, Civil Defence, Weather Warning and Construction industries.

Our expert advice and extensive product range will ensure you receive a warning solution that meets all your safety requirements within budget. So whatever your requirement maybe you can rest assure that we will take care of the project from start to finish.

We can offer an integrated warning solution for both, indoor and outdoor areas of a site using one homogenous control system for a complete warning solution; the type of site could vary from a power plant to a civil warning area.

Our truly global project portfolio spreads across the UK, Europe, Asia, Australia and the Middle East.

We take pride in our sirens and control equipment being of the highest quality for optimum performance and reliability.

## Service

Klaxon's wide area warning systems provide a full product and service combination incorporating pre/post project evaluation, staff training and maintenance for a tailor made solution to meet customer requirements.

Our technical experts in the field will first assess and fully understand your safety requirements, then carry out a complete site survey before submitting a proposal for your consideration. The proposal will be a detailed document explaining the type of siren and control arrangement that is required to meet your specific safety needs.

Once we receive your approval we will assemble the system to your specification before delivering it to your site. We would also offer staff training for all relevant personnel within your company.

Our sirens come with a one year warranty period and require very low maintenance. Even after the warranty period is over we still provide ongoing on-site support and technical assistance.

## Products

Klaxon Signals provides a range of warning sirens for operation in various environments. The range includes both, conventional motor driven sirens suitable for safe and hazardous locations, and the more sophisticated and flexible electronic siren systems for safe area operation.

### Motor Driven Sirens

Motor driven sirens are manufactured from cast aluminium and steel for use in outdoor environments. They produce a powerful universally recognised emergency notification signal. ATEX approved models are available for use in hazardous areas.

### Features

- Simple robust technology.
- Rugged construction.
- Universally recognised emergency signal.
- Custom built control panels using hardwired or radio technology.

### Electronic Siren Systems

Electronic siren systems consist of,

- An array of siren horns manufactured from Cast Aluminium mounted on a mast. The horns can be mounted in an omni or uni directional configuration depending on the shape of the sound coverage required.
- The Controller/s monitors and controls siren operation.
- A full range of communication channels are available: stand alone hard wire switch control; computer system control; radio and/or satellite controlled link units.

### Features

- Low, medium and high output siren options. Ranges from 106dB – 127dB at 30 meters.
- Pre-recorded or live voice messages in addition to traditional tones. Different voice messages can be broadcast to different areas simultaneously depending on the situation in each area.
- Perform silent tests at a user defined time period which determines the operational capability of the siren.
- Battery powered siren operation means loss of site power has no effect on the functionality of the siren. An AC power supply is only required to maintain battery charge.
- Low installation costs because the siren only requires a 110/230V AC supply instead of the 400V AC 3 phase supply required for motor driven sirens.
- Up to 8 different user defined warning signals can be activated via volt free contacts and more when a RS485 interface is used as a means of control.
- Regional and Local Control. Multiple local, geographically separated warning systems can be alerted through one regionally controlled system, such as an emergency centre or remotely via a computer with internet access.
- Siren system can be charged from a solar panel array for use in remote locations.
- Variable sound levels for each warning signal enables on-site and off-site warning through the same siren.



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## Electronic Siren Range

Superior Range	Value Range	Superior Portable Range	Value Portable Range
ES1/2 S	ES1/2 V	ES1/2 SP	ES1/2 VP
ES1/3 S	ES1/3 V	ES1/3 SP	ES1/3 VP
ES2 S	ES2 V		
ES3 S			
ES4 S			

## Motor Driven Siren Range

Sirens	Sirens with heaters	Hazardous Area sirens
GP6	GP6	FP6
GP10	GP10	FP10
GP12	GP12	

## Siren Control

Radio Electronic Siren	Radio Motor Driven Siren	Hardwired Electronic Siren	Hardwired Motor Driven Siren
Licence Free System Licensed System using Motorola radio technology	Licence Free System Licensed System using Motorola radio technology	Switch Box CMC4 CMC8 DT 11 PC with Talos 20 software	Custom Built Panels

## Client Portfolio

- **Shell**  
Designed and supplied warning systems for a number of Shell oil refinery sites across the UK.
- **Scottish Gas**  
Provided an off-site warning system for Scottish Gas's gas storage site.
- **IOM Airport**  
A warning system was designed and implemented to warn personnel about potential hazards which may occur on the tarmac.
- **Pfizer**  
Provided a warning solution for their chemical plant in Cork.
- **Immingham Docks**  
The warning system we provided was designed to clear the dock area in the event of any danger.
- **Exxonmobil**  
Designed and supplied a warning system for Exxonmobil's COMAH site in St Fergus, Scotland.