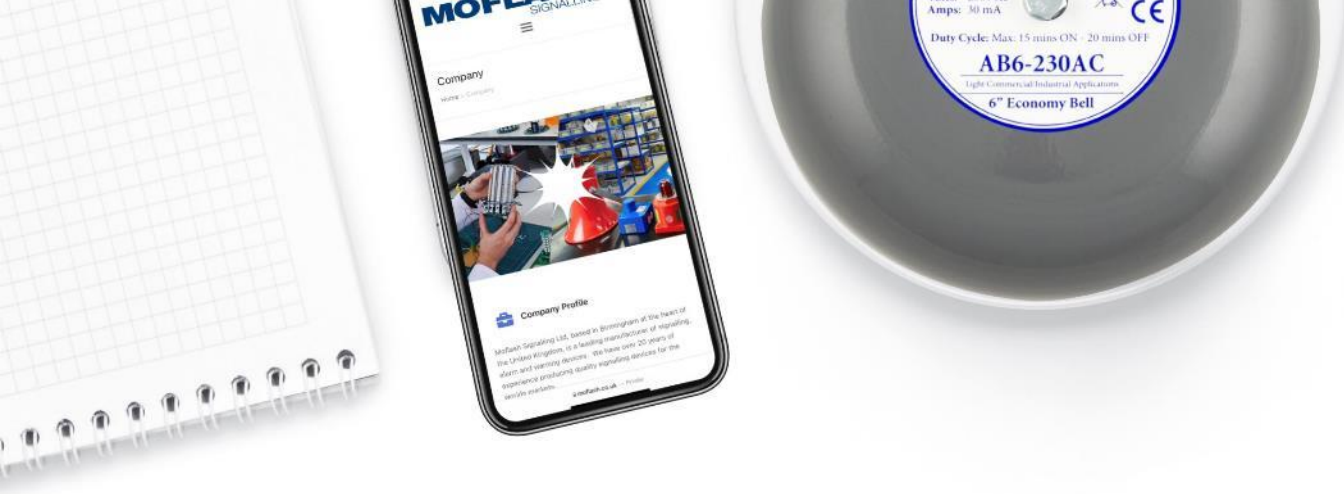


Moflash Signalling Ltd

When Safety is Paramount

Meeting the increasing demands of a safety conscious world

MOFLASH SIGNALLING

Our company

1. About us

Based in Birmingham at the heart of the UK, Moflash Signalling is a leading independent manufacturer of alarms and signalling devices.

Formed from the Moflash Co Ltd in 1998, the company has grown dramatically over the last 24 years with the introduction of new product lines and the acquisition of leading signalling brands from other manufacturers, such as Clifford and Snell, allowing the manufacture of our electronic sounder now being produced in the Moflash factory.

- Industrial
- Process & Control
- Status Indication
- Fire & Security
- Explosive Environments
- Marine
- Automation
- Safety & Protection
- Wide Area

Visual signalling

Our visual signalling range cover modern **LED** technology and the more traditional **xenon** beacon.

Acoustic signalling

Our acoustic signalling range includes **horns, buzzers, bells & electronic sirens**.

Combined signalling

Our products are also available in a combined version, giving you a **dual audible** and **visual signal in one product**.

2. Our Story

Some highlights of the history that has made Moflash one of the leading manufacturers in the industrial safety industry.

2019 — Acquisition of Clifford & Snell

2018 — Acquisition of the French distributor KMEurop

2015 — Moflash moves into its new UK Headquarters

2013
- Moflash launches EXD ranges to the market
- Moflash Germany sales office opening
- Moflash South East Asia/Middle east sales office opening

2005 — Acquisition of Klaxon Signals hooters, bells and buzzer ranges

2004 — Acoustic products are added to the product portfolio

2001 — The company starts to export outside of Europe : Australia / South Africa / South East Asia

1999
- Moflash establish export distribution network
- Launch of company web site

1998 — Formation of Moflash Signalling Ltd

3. Our Clifford and Snell brand

Clifford & Snell

Clifford & Snell is a world leader in the design and development of audible and visual signalling products, which includes a comprehensive range of Industrial and Hazardous area sounders, beacons and combination units.

Established in 1929, Clifford & Snell pioneered many innovative products & systems. In 1967 the company was responsible for the introduction of the world's first ever electronic sounder. This breakthrough in technology became the foundation for the development and production of future generations of products.

- ✓ Establish in 1929
- ✓ Long established brand for industrial, audible and visual signalling
- ✓ Over 50 years of design legacy
- ✓ Over 13,500 products sold per year
- ✓ Global sales of core industrial product
- ✓ Solid monthly sales year in year out
- ✓ Products sold in over 90 countries worldwide
- ✓ Standard products with regular pull through via distribution & partners
- ✓ Yodalarm & Yodalight has strong brand recognition
- ✓ Strong synergies with existing Moflash product portfolio

C&S brand

4. Our key figures

Product families

20

90 +

Present in over 90 countries worldwide

Products sold across the world in 2021

250,000 +

1,000 +

Thousands of products codes

Products manufactured in house

80 %

+ 15 %

Average annual growth

+ 10 %

General growth between 2020 and 2021

5. Our presence

The expansion continues today, with a market presence in over 90 countries

MOFLASH SIGNALLING

Our quality & commitment

1. Our commitment

- ✓ With its programme of development, Moflash is in a strong position to keep meeting the increasing demands of a safety-conscious world.
- ✓ Our products are always available to meet the customer's needs. Moflash will try to modify or design a product based around your specific needs
- ✓ Our commitment to quality and service continues today as it did when we formed over 23 years ago. It underpins our focus and passion for our industry.

Bespoke

Moflash can design and produce bespoke signals for specific projects, tailor made to meet the demands of customers.

R & D

Through a forward thinking R&D program, Moflash is continually expanding their product range to offer its customer base the very best signalling devices possible.

International

In addition to the UK and German sales office, Moflash have two sales managers:

- ➢ One based in the UAE to provide customer support.
- ➢ One operating in Nordic countries to develop the market

2. Our approvals

We operate to the current ISO9001 Quality System and are audited to **QAN** and **QAR** standards.

We also manufacture **ATEX** and **IECEx** approved products for Hazardous Area as well as **EN54** and **MED** Approvals for Marine safe area applications.

In addition, country-held approvals such as **VDS** are also provided.

ISO 9001:2015 Quality Management

QAN & QAR Audited

CE

VdS

Find more here

UK MED

EU MED

UK CA

EN54-23

Potentially Explosive Atmospheres

ATEX directive 2014/34/EU covers equipment and protective systems intended for use in potentially explosive atmospheres.

Marine Equipment Directive

Sets out performance and testing standards to be met by marine equipment placed on board an EU ship

Fire detection & fire alarm

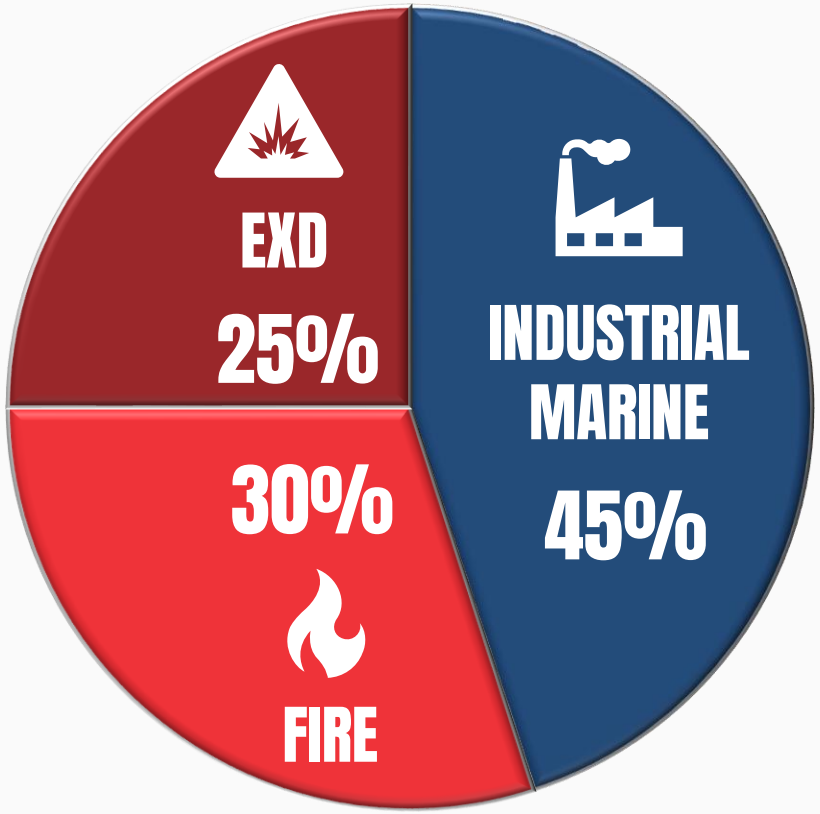
Series of European standards that includes product standards & application guidelines for fire detection and fire alarm systems.

3. Some of our partners

RS
EDMUNDSON ELECTRICAL
telent
Farnell AN AVNET COMPANY
NetworkRail
LAND ROVER
NHP
Mechtric
STIG WAHLSTRÖM
SCHRACK SECONET
HEKATRON
TME Electronic Components
Rexel a world of energy
sonepar
YESSS ELECTRIQUE
ETN
eDF
acs nordic
BH
ROYAL JORDANIAN

End User Examples

We are branching out in the world



Percentage Split by Market

4. Our area of expertise

INDUSTRIAL

FIRE

MARINE

PROCESS CONTROL

Ex

MOFLASH SIGNALLING

Our product families

1. Our product ranges

Make Growth Faster

With 3 different general product lines, Moflash is constantly expanding and enriching its product portfolio.

Moflash offers a comprehensive range of signalling devices for a wide variety of applications and industries, including hazardous areas, industrial and process control, fire protection, security, marine, mass evacuation and transportation.

Clifford & Snell

Moflash

Hazardous

2. Our industrial visual signals

Beacon Design

Beacon available in round, square, pyramid, tower, conical shape

Voltage ranges

Multi voltage available from 12vAC/DC to 230vAC/DC

Functionality

Rotating, Flashing, Static function

Lens Colour Options

Amber/Red/Blue/Green/Clear
Magenta/Yellow
(Product dependant)

Light Source

Xenon or LED

Ingress Protection

Weatherproof & Dustproof from IP65 to IP67

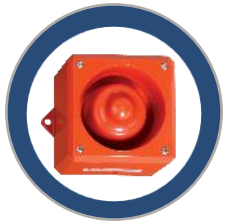
3. Our industrial acoustic signals

Our Acoustic Signals can be used for an array of applications such as, security, process control and depending on the level of sound required, a wide range of industrial applications.
Other products are available within the Acoustic Signal range, including Bells, Air Horns and Multi Tone Electronic Sounders.

Buzzer

- Continuous and offer a single stage alarm
- Different sound output
- Compact design
- Wide operating voltage

Electronic sounder



- Wide selection of outputs, sizes and key features
- 2 stage alarms with 32 selectable tones
- Sound output from 105 to 120dB
- Suitable for fire, marine & industrial applications

Motor sirens

- 4 types of motorised sirens
- Very high sound output from 120 to 127dB
- Omni-directional 360° coverage
- Wide range of industrial signalling applications

Bells

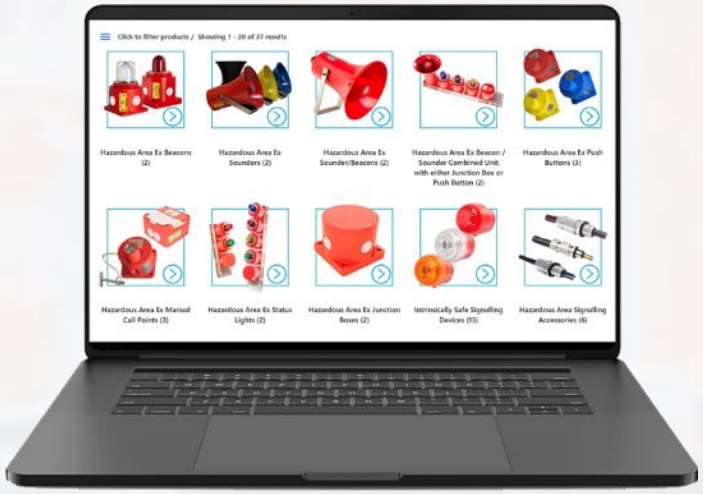
- Traditional industrial & marine bells IP66
- Suitable for heavy duty industrial applications
- Economy bells for light commercial/industrial use

"From piezoelectric buzzers to electronic sirens and air horns"

4. Our explosive proof signals

For use in potentially explosive atmospheres, hazardous areas and very harsh environmental conditions.

- GRP or Stainless-Steel enclosure
- Sounder, Beacon or Combination
- LED or Xenon
- Up to 113dB
- Certified and approved ATEX et IECEx
- Zones 1, 2, 21 & 22 for Ex d range
- Zones 0, 1, 2, 20, 21 & 22 for IS range



Marine

Onshore & Offshore

Chemical & Petrochemical

Refineries

Oil & Gas

MOFLASH SIGNALLING

Sounder Product Range

CN41

Available in

Red (RAL 3001)

ABS Flame Retardant

10-30vDC

Features

Clifford & Snell

MOFLASH SIGNALLING

- Carillon **IP65**
- Up to 104dB & volume control adjustment
- 2 stages alarm & 32 selectable tones
- Multi-purpose audible signaling device designed for indoor applications.
- Approved **EN54 Pt:3 Fire**

Audible signals Electronic Sirens

YA30

Available in

Red (RAL 2002)

ABS Flame Retardant

24/48/110vDC – 115/230vAC

Features

Clifford & Snell

MOFLASH SIGNALLING

- Yodalarm 30 **IP66**
- Up to 105dB & volume control adjustment
- 2 stages alarm & 32 selectable tones.
  Independently Selectable 2nd Stage option
- Multi-purpose audible signaling device designed for use in commercial, industrial & marine application.
- Approved **EN54 Pt:3 Fire**

Audible signals Electronic Sirens

YA40

Available in

Red (RAL 3001) / White (RAL 9003)

ABS Flame Retardant

24/48vDC – 24/115/230vAC

Features

Clifford & Snell

MOFLASH SIGNALLING

Yodalarm 40 **IP65**

Up to 108dB & volume control adjustment

2 stages alarm & 32 selectable tones.
Independently Selectable 2nd Stage option

Multi-purpose audible signaling device designed for use in light commercial, industrial & marine application.

Approved **EN54 Pt:3 Fire**

Audible signals Electronic Sirens

YA50

Available in

Red (RAL 2002)

ABS Flame Retardant

24/48/110vDC – 24/115/230vAC

Features

Clifford & Snell

MOFLASH SIGNALLING

- Yodalarm 50 **IP66**
- Up to 112dB & volume control adjustment
- 2 stages alarm & 32 selectable tones.
  Independently Selectable 2nd Stage option
- Multi-purpose audible signaling device designed for use in commercial, industrial & marine application.
- Approved **EN54 Pt:3 Fire**

Audible signals Electronic Sirens

YA80

Available in

Red (RAL 2002)

ABS Flame Retardant

24/48vDC – 115/230vAC

Features

Clifford & Snell

MOFLASH SIGNALLING

Yodalarm 80 **IP66**

Up to 116dB

2 stages alarm & 32 selectable tones.
Independently Selectable 2nd Stage

Multi-purpose audible signaling device high output designed for use in industrial & marine application.

Approved **EN54 Pt:3 Fire**

Audible signals Electronic Sirens

YA80S

Available in

Red (RAL 2002)

ABS Flame Retardant

24/48vDC – 115/230vAC

Features

Clifford & Snell

MOFLASH SIGNALLING

- Yodalarm 80 Super **IP66**
- Up to 120dB
- 2 stages alarm & 32 selectable tones.
  Independently Selectable 2nd Stage
- Multi-purpose audible signaling device high output designed for use in industrial & marine application.
- Approved **EN54 Pt:3 Fire**

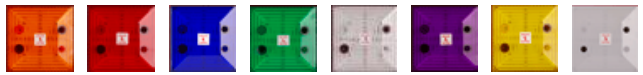
Audible signals Electronic Sirens

MOFLASH SIGNALLING

Beacon Product Range

FL40

Available in



Red (RAL 3001) or White (RAL 9003)

ABS Flame Retardant

Features

Clifford & Snell

MOFLASH SIGNALLING

- Yodac Beacon **IP65**
- Xenon 5J or 2.5J option
- Flashing
- Cost effective solution alarm device for fire alarm systems.
- Approved CE UKCA

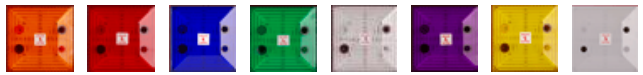
Visual Signals Beacon

SD40 - FD40

Single

CLICK HERE

Available in



Red (RAL 3001) or White (RAL 9003)

ABS Flame Retardant

Features

Clifford & Snell

MOFLASH SIGNALLING

- Yodac Beacon **IP65**
- 12 LED or 25 LED array for 24vDC
  25 LED array for 35-85vAC/DC, 85-280vAC/DC
- Static or Flashing
- Can be used to alert, warn or draw attention to an event or for a status indication.
- Approved CE UKCA

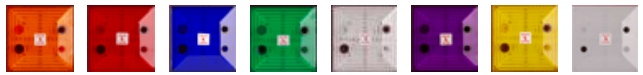
Visual Signals Beacon

SD40 - FD40

Quadruple / Triple / Double

CLICK HERE

Available in



Red (RAL 3001) or White (RAL 9003)

ABS Flame Retardant

Features

Clifford & Snell

MOFLASH SIGNALLING

Choose your own configuration according to your needs.

Lots of different combinations are possible

12 LED or 25 LED array for 24vDC
25 LED array for 35-85vAC/DC, 85-280vAC/DC

Static or Flashing stackable

Can be used to alert, warn or draw attention to an event or for a status indication.

Approved

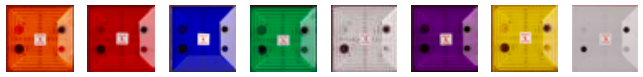
Visual Signals Beacon

MOFLASH SIGNALLING

Combination Product Range

YL40

Available in



Red (RAL 3001) or White (RAL 9003)

ABS Flame Retardant

Features

Clifford & Snell

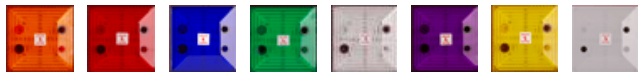
MOFLASH SIGNALLING

- Yodalight 40 **IP65**
- 12 or 25 LED array
  Xenon 5J or 2.5J option
- Up to 108dB
- Flashing
  2 stages alarm & 32 tones
  Independently Selectable 2nd Stage
- Approved **EN54 Pt:3 Fire**

Combination signals Electronic Sirens

YL50

Available in



Red (RAL 2002)

ABS Flame Retardant

Features

Clifford & Snell

MOFLASH SIGNALLING

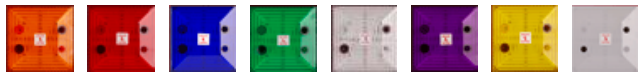
- Yodalight 50 **IP66**
- Xenon 5J or 2.5J option
- Up to 112dB
- Flashing
  2 stages alarm & 32 tones
  Independently Selectable 2nd Stage
- Approved **EN54 Pt:3 Fire**

Combination signals Electronic Sirens

YL50 Hi Vis

CLICK HERE

Available in



Red (RAL 2002)

ABS Flame Retardant

Features

Clifford & Snell

MOFLASH SIGNALLING

Yodalight 50 Hi Vis **IP66**

12 LED or 25 LED array for 24vDC
25 LED array for 48vDC, 115 & 230vAC

Up to 112dB

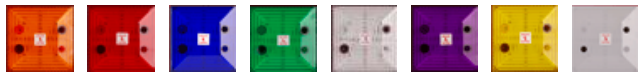
Flashing
2 stages alarm & 32 tones
Independently Selectable 2nd Stage

Approved **EN54 Pt:3 Fire**

Combination signals Electronic Sirens

YL80

Available in



Red (RAL 2002)

ABS Flame Retardant

Features

Clifford & Snell

MOFLASH SIGNALLING

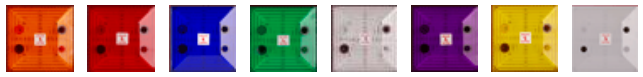
- Yodalight 80 **IP66**
- Xenon 5J or 2.5J option
- Up to 116dB
- Flashing
  2 stages alarm & 32 tones
  Independently Selectable 2nd Stage
- Approved **EN54 Pt:3 Fire**

Combination signals Electronic Sirens

YL80 Hi Vis

CLICK HERE

Available in



Red (RAL 2002)

ABS Flame Retardant

Features

Clifford & Snell

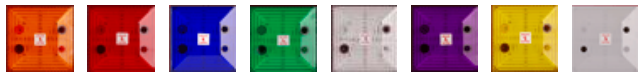
MOFLASH SIGNALLING

- Yodalight 80 **IP66**
- 12 LED or 25 LED array for 24vDC
  25 LED array for 48vDC, 115 & 230vAC
- Up to 116dB
- Flashing or Static
  2 stages alarm & 32 tones
  Independently Selectable 2nd Stage
- Approved **EN54 Pt:3 Fire**

Combination signals Electronic Sirens

YL80S

Available in



Red (RAL 2002)

ABS Flame Retardant

Features

Clifford & Snell

MOFLASH SIGNALLING

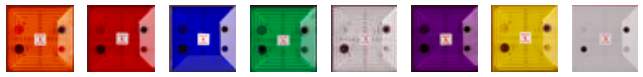
- Yodalight 80 Super **IP66**
- Xenon 5J or 2.5J option
- Up to 120dB
- Flashing
  2 stages alarm & 32 tones
  Independently Selectable 2nd Stage
- Approved **EN54 Pt:3 Fire**

Combination signals Electronic Sirens

YL80S Hi Vis

CLICK HERE

Available in



Red (RAL 2002)

ABS Flame Retardant

Features

Clifford & Snell

MOFLASH SIGNALLING

- Yodalight 80 Super **IP66**
- 12 LED or 25 LED array for 24vDC
  25 LED array for 48vDC, 115 & 230vAC
- Up to 120dB
- Flashing or Static
  2 stages alarm & 32 tones
  Independently Selectable 2nd Stage
- Approved **EN54 Pt:3 Fire**

Combination signals Electronic Sirens

Sounder Tones Table

Clifford & Snell

MOFLASH SIGNALLING

Tones

Description	Hz	Application	Description	Hz	Application
Alternating	800-1000	Fire Alarm	Interrupted note	1000	
Alternating	2500-3100	Security Alarm	Interrupted note	2500	
Alternating	800-1000	Increased urgency	Interrupted note	2500	Pre-vital mess, Sweden
Alternating	2500-3100	Security deterrent	Interrupted note	700	
Alternating	400-554	AFNOR, France	Interrupted note	1000	Air-raid, Sweden
Alternating	430-470		Interrupted note	700	Local warning, Sweden
Alternating	800-1000		Interrupted note	700	Industrial alarm, Germany
Alternating	2500-3200		Interrupted note	720	
Alternating	440-554	Turn-out, Sweden	Int, fast, rising vol	1400	
Continuous note	700		Fast siren	250-1200	
Continuous note	1000		Rising constant, fall	1000	Industrial alarm, Germany
Continuous note	1000		ISO 8201 Evacuation	800-1000	Int'l evacuation alarm
Continuous note	2300		Fast whoop	500-1000	
Continuous note	440		Slow whoop	500-1200	Evacuation, Netherlands
Interrupted note	1000		Reverse sweep	1200-500	Evacuation, Germany
Interrupted note	420	AS2220, Australia	Siren	500-1200	

Get in touch

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