

## FLARE SYSTEMS



Unit Birwelco has been involved with Flare Systems for over 40 years and from our headquarters in Halesowen we can offer a complete service including design, engineering, manufacture, refurbishment, upgrade and spare parts.

### THE SONAJET® PRINCIPLE

Now recognised as a world leader, the Sonajet® design was first developed and patented by Unit Birwelco in the 1970' s to meet the requirements for low radiation flaring on North Sea installations.

The Sonajet® combines the advantages of high pressure sonic flaring with long life to provide guaranteed ignition under all conditions.

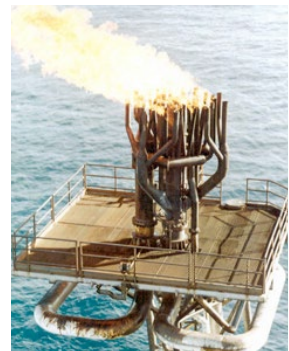
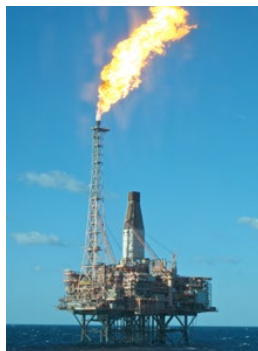
The Sonajet® design solution eradicates the need for annual tip change-outs and associated downtime costs - all of which makes it the most cost-effective solution on the market. In addition, its design is extremely flexible and can be tailored to meet virtually any requirement.

A proportion of the high pressure gas is throttled and expanded to produce a low velocity gas stream, which produces a stable flame. The low pressure flame ensures a continuous ignition source

for the remaining high pressure gas exiting the tip, even under maximum flow and blow-down conditions. As a result, flame lift and blow out are avoided.

### SYSTEM BENEFITS

- ① Total reliability with flare Ignition systems
- ① Proven, safe pilot monitoring in all atmospheres
- ① Reliable, sturdy support structures, stacks or derricks
- ① Seals, vessels and anti-diffusion barriers for peace of mind
- ① Back-up skids and control systems to ensure operation
- ① Total spares support - a simple call away



**MORE INFORMATION OVERLEAF**

### CONTACT

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