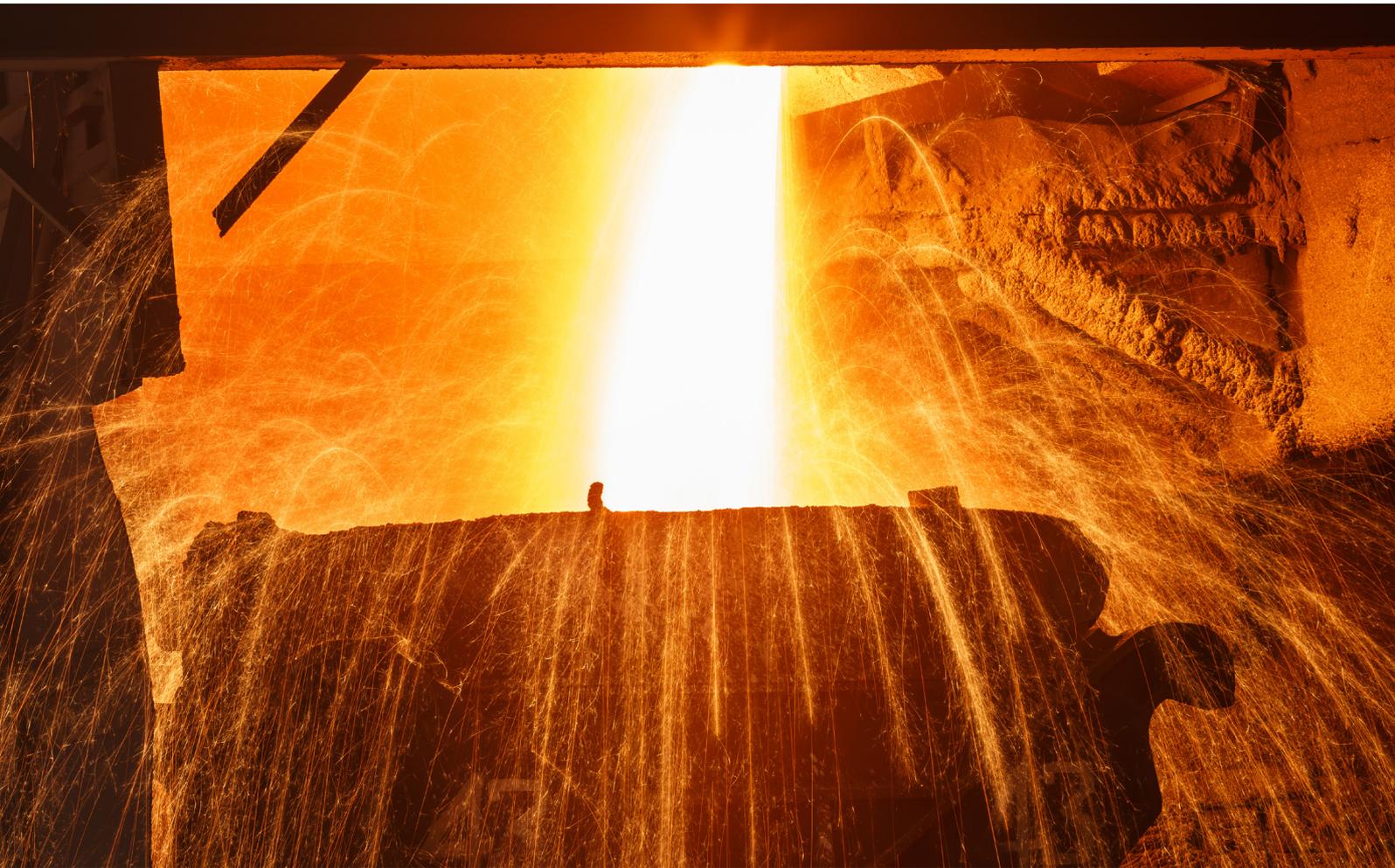




HIGH POWER HIRE SOLUTION FOR BLAST FURNACE COOLING



The Challenge

In an uncertain market a major steel producer needed a robust and high power system to provide consistent cooling for its blast furnace – with a long term equipment hire solution from ICS Cool Energy providing the required consistency of powerful cooling and avoiding a long term capital expenditure commitment.

ICS Cool Energy:

“Cooling blast furnaces needs a high power reliable cooling system and our hire solution has proved so efficient that the contract has been extended.”

WE MAKE IT WORK

The Solution

Blast furnaces that heat iron and other metals require high efficiency cooling delivered through the fire bricks below the furnace to preserve the framework of the furnace structure – and avoid the destruction of the bricks.

At one important UK site, cooling towers had been used but were unable to provide the consistency needed to protect the lifespan of the furnace.

Working closely with the site team, ICS Cool Energy designed a cooling solution that would not only provide the required robust cooling but also avoided the need to invest in permanent equipment or budget for system maintenance and servicing as that's included within hire contracts.

Mechanical cooling was provided instead of cooling towers, with three powerful Chiller 1000 units and three additional Chiller 375 on a six months' initial basis.



Chiller 1000

Chiller 375



The Result

The ICS Cool Energy hire solution was installed for an initial period of six months during which the performance of the system and the condition of the furnace was closely monitored and inspected.

Full inspection tests revealed that the new system was protecting the integrity of the furnace with efficient, economical and high power cooling and the hire period has been extended.

ICS Cool Energy provides long and short term temperature control hire solutions for all sizes and types of industries, drawing on the industry's largest fleet that's always 'ready to go' and nearly 30 years' experience in solving problems for customers.

Hire solutions provide:

- Tax efficient with easy budgeting and cashflow management
- Avoids the need for capital expenditure, freeing up opportunities for other business investments
- Equipment is always up-to-date to provide the most efficient operation
- Full emergency back up 24/7

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