

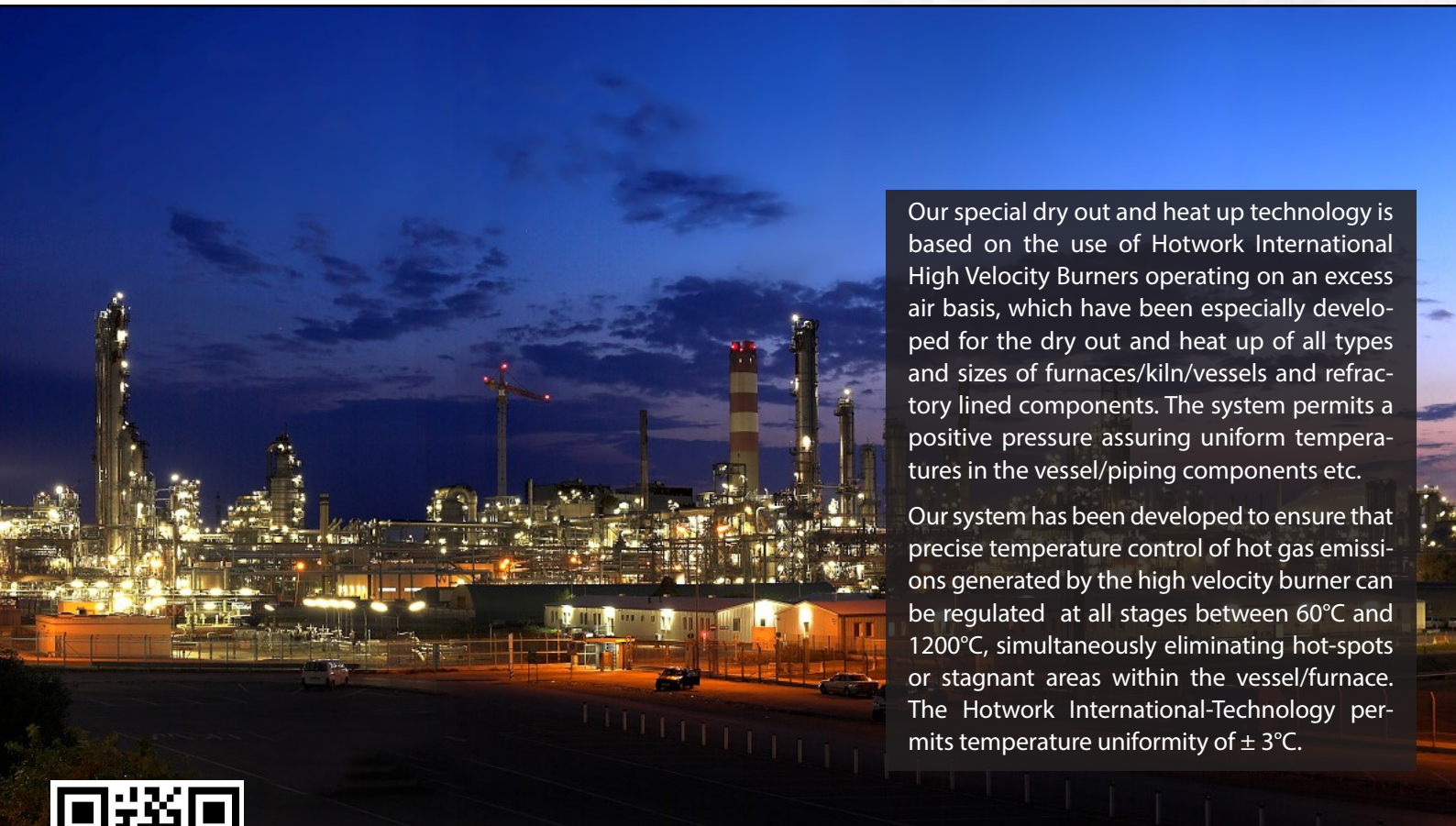
Hydrocarbon / Chemical / Refinery

Hotwork Services:

- Dry out of refractory lining
- Post weld heat treatment
- Individual component heating / drying
- Improving campaign life
- Prevent pre-mature refractory failure
- Serving all sizes of vessels
- Worldwide availability

Service performed on:

- Cat Crackers
- Flexicokers
- Reactors
- Reformer
- Condenser
- SYNGAS units
- Coke / Carbon Calciner
- Sulphur recovery units
- ... and many more ...
- Hydrocrackers
- Waste heat Boiler
- Spheres
- Tank coating cure
- Wet Gas scrubbers
- Thermal Oxidizers



Our special dry out and heat up technology is based on the use of Hotwork International High Velocity Burners operating on an excess air basis, which have been especially developed for the dry out and heat up of all types and sizes of furnaces/kiln/vessels and refractory lined components. The system permits a positive pressure assuring uniform temperatures in the vessel/piping components etc.

Our system has been developed to ensure that precise temperature control of hot gas emissions generated by the high velocity burner can be regulated at all stages between 60°C and 1200°C, simultaneously eliminating hot-spots or stagnant areas within the vessel/furnace. The Hotwork International-Technology permits temperature uniformity of $\pm 3^\circ\text{C}$.



Proper and controlled refractory dry out is of great importance to the Hydrocarbon processing industry, since it improves not only the over all refractory campaign life time but also minimizes the down time during repairs and prevents premature refractory failure due to improper dry out of new lining.

Applying high velocity burners to dry out refractory or perform a post weld heat treatment offers the most precise temperature control, exact to the specification of the refractory manufacturer. The Hotwork method utilizes precise controlled convective heat for an accelerated moisture removal. Our unique systems allows an accurate temperature control from ambient up to 1200°C (2200°F) with an incredible high turn-down capability of 100:1.

In most cases the plant equipment is not designed to perform such a close temperature control during initial start-up. But creates a rather radiant heating with a non-uniform heat distribution.

Sizes served:

From a 1 burner job to a full unit dry out with 25 and more burners, Hotwork will determine the required amount of burners and position based on the size and configuration, to achieve the best temperature uniformity and giving your refractory a good start into its lifetime.

Fuel's used:

Straight from natural gas, propane or any gasoues fuel to light oil, diesel and even heavy fuel oil or other destilates. We are offering also the complete temporary piping for the fuel supply, serving our clients with a worry free solution.

Temperature Control:

Modern paperless chart recorder and online supervision allows our engineers to always track and control the temperature at any defined point in your system.



Location:

Being an International company, we reach out to any location worldwide. With over 250 Burner sets and equipments stored in our own hubs in Switzerland, India, China, The Philippines and Mexico, Hotwork International is offering a fast and reliable service in any location worldwide.

Manpower:

More than 60 highly qualified service engineers guarantee a smooth project completion at the highest quality and safety standards. Internal training and external safety measures are introduced as well as an internal and external evaluation of all burners and electrical components certifying the best possible service available for our clients.

Swiss Quality and German Reliability complete engineering and supply



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