

CASE STUDY AKZO NOBEL

AkzoNobel, formerly known as Imperial Chemical Industries (ICI) is a global paints and coatings company with operations in more than 80 countries. Its Slough manufacturing site were looking for ways to cut the emissions produced as a result of their production process and wanted a sustainable solution that would reduce their overall operating costs.

They chose Autoflame to deliver their natural gas energy efficiency project; the existing burners were replaced with Limpsfield high performance burners and bespoke control panels were designed and manufactured by Autoflame for the project. By using the Autoflame Micro Modulation System (MM) the amount of air and fuel passing through the burner is controlled to specific ratios, minimising harmful emissions, increasing combustion efficiency and enabling repeatable optimum performance.

Maintenance work has a negative impact on production, so it was essential the installation was completed within the strict timeframe. Autoflame worked closely with onsite project managers to ensure the project went smoothly and was completed to specification. The new system has also reduced maintenance downtime, improving productivity.

AkzoNobel use a gas fired burner unit to heat a heating oil (Thermex) which is pumped through a heat exchanger transferring the heat to the resin. During the batch process, depending on the resin being produced, the batch temperature can be as high as 380 degrees C.

The installation went well and AkzoNobel were delighted with the standard of service they received.

“ Now the installation is completed, I would like to express my appreciation to your team who were under extreme pressure to complete the installation within the tight shut down programme. On one of the days your team worked beyond the twelve hour shift. At the end of each day they cleaned up any debris to keep the area tidy. The team were a credit to your company ”

Barry Wisbey, AkzoNobel, Slough

Akzo Nobel

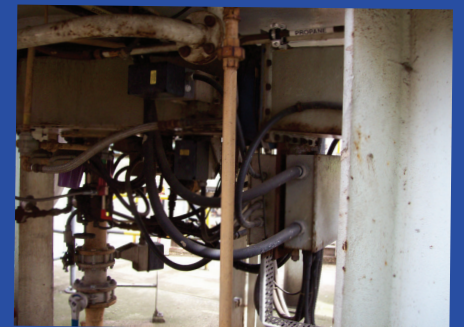


Solution

Limpsfield Burner
Mk7 Autoflame System



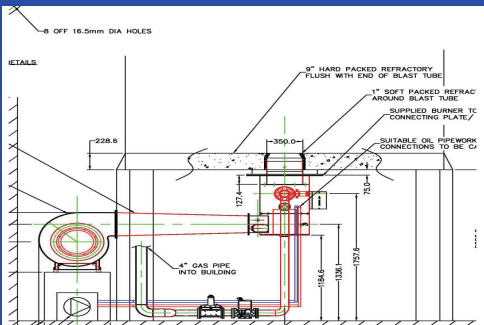
Before



After



Project Drawings



Autoflame Control Panel



Contact us for a complimentary survey to find out how we can reduce your energy use

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