

# MPW's improvements lead to savings for pulp, paper facility



**CONFINED  
SPACE ENTRIES  
ELIMINATED  
USING  
AUTOMATED  
TECHNOLOGY**

A Florida pulp and paper mill was faced with a complicated, dangerous process for cleaning its power boiler during scheduled outages.

Previous efforts to clean the boiler included manual water jetting from scaffolding, which posed a safety risk to workers below due to the potential for falling slag.

## SOLUTION

MPW recommended that the facility's engineers cut access doors into the power boiler, to allow MPW to use advanced high-flow two-dimensional (HF2D) water-jetting heads. These heads were mounted on a cable and driven with high-volume pumps to clean portions of the boiler which had been inaccessible using the previous cleaning processes.

Most importantly, the automated system eliminated the need for MPW technicians to perform potentially dangerous and time-consuming confined space entries into the boiler.

## RESULTS

MPW finished the power-boiler cleaning in 16 hours versus the 40 hours it took with the previous process. This amounted to a \$37,000 savings for the customer.

The HF2D heads also delivered a 50-percent increase in the quality of the cleaning.

According to one of the facility's engineers, "this partnership resulted in a cleaner superheater, reduced the cleaning duration by approximately 40 percent and eliminated the major safety concern of having to enter the boiler before overhead slag threats were eliminated."

**COMMITMENT  
TO SAFETY**  
**MPW  
recorded  
zero safety  
incidents  
during this  
project**