



Specialty Boiler Cleaning

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The Problem with Slag Deposits

Many types of boiler units build up slag deposits, which causes an increase in DP's (Differential Pressures) within the boilers operating system. This also causes the unit's efficiency to decrease until the point of shutting down.

Slag removal can be a constant battle at all solid fuel-fired power plants, requiring specialized solutions to maintain operational efficiency.

Offline Explosive De-slagging

With the offline Explosive de-slagging process can be conducted once the unit is shut down and the ambient air temperature has decreased below 300 degrees. This process incorporates blasting from the exterior of the boiler until the majority of the material has been removed for safe entry.

Upon gaining entry we offer a technology system consisting of initiating a series of controlled delayed explosions. The shock wave and vibration created in the process crushes and removes most of the deposited slag, ash, and other loose deposited debris, causing it to fall freely into the hopper system, for easy removal.

On-Line Explosives De-slagging

We also offer an On-Line Explosives de-slagging process while in operation under a decreased load. Our On-Line process utilizes a water-cooling system that allows continuous water flow and surrounds the explosives in extreme temperature situations. This process keeps the system running efficiently and substantially shortens to total downtime once the outage process has begun.

This innovative approach allows for maintenance without complete shutdown, maximizing operational uptime for power plants and industrial facilities.

Industry Leading Experts

200+

Years Experience

Combined expertise of our technical team

1000s

Successful Jobs

Completed across various industries

30+

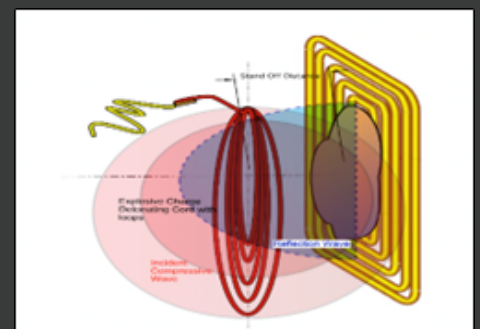
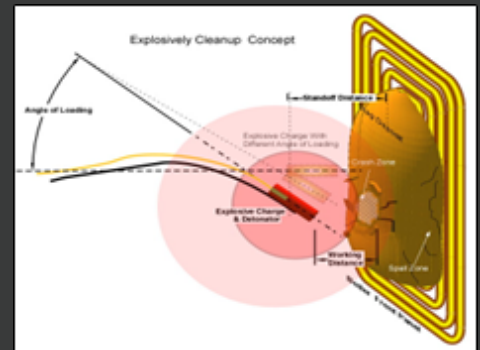
Years in Service

Providing specialized industrial cleaning



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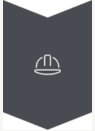
Explosive De-slagging Solutions for Industrial Boilers





Specialty Boiler Cleaning

Safety Innovation: Fail-Safe Switch



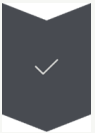
Secure Fail-Safe Design

We have designed a secure fail-safe safety switch that eliminates any pre-detonation until the blaster has the explosives in a safe and secure position within the vessel.



Versatile Mounting

The safety switch was designed to be used in Online or Offline operations. The device will mount to any size pole via zip ties in the desired location for comfort and can be removed easily for line of fire situations.



Continuous Testing

Each pole setter/blaster will have the C3 readily available for testing after every shot to ensure the switch is operational.

Explosive Deslagging

Professional Removal of Slag Deposits from Industrial Boilers using controlled explosive techniques in both online and offline scenarios.

Industrial Boiler Cleaning

Comprehensive cleaning solutions for all types of industrial boilers to maintain optimal efficiency and extend operational life.

Boiler Scale Removal

Specialized techniques for removing scale buildup that can impede heat transfer and reduce boiler efficiency.

Contact one of our Specialists for a no obligation consultation explosives@maviro.com



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Industry leading procedures and protocols ensures worker safety and predictable results

