



## WASHDOWN SYSTEMS



### IMPROVING SAFETY AND EFFICIENCY DOWN THE LINE

- › *Elevate Worker Safety and OSHA*
- › *Compliance Reduce Coal Dust Fire and Explosion Risk*
- › *Diminish Housekeeping Costs*
- › *Customize Design Solutions*
- › *Increase Equipment Performance and Reliability*

## Proven Engineering Design with Experience and Performance

As an industry best practice and to avoid an OSHA compliance issue, washdown of the coal handling area is necessary to remove the final 2-5% of remaining dust. Each custom Benetech Washdown System minimizes water usage and integrates engineered drainage, curbing and water shielding. Individual spray heads and nozzle arrangements are selected and placed to clean beam pockets, roof truss, walls and floors. The entire system is then hydraulically balanced and zoned. Each zone can be manually activated or fully automated through PLC control.

Benetech's in-house engineers have over 25 years of power plant housekeeping experience in fluid engineering and spray control. Our engineers have designed industry-leading Washdown Systems for the most demanding coal yard applications.

## Turn-Key Solutions

After evaluating your facility, Benetech will provide a custom-designed solution that begins with approval and as-built drawings for review, followed by operational and maintenance manuals for continued support. With your specific needs in mind, Benetech will include solutions for unloading areas, reclaim tunnels, conveyor galleries, crusher houses, conditioning buildings, transfer towers, tripper rooms, cascade rooms and more.

## Additional System Benefits

- Risk reduction of worker injury due to inferior clean-up methods
- Substantial reduction in clean-up costs
- Cleaner work environment
- Improved equipment performance and reliability



**Conveyor gallery Washdown System**



**Follow-up maintenance**



**Custom control stations**

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