

SHIP & BARGE | LOADING & UNLOADING

DUST SUPPRESSION AND CONTROL APPLICATIONS



THE CHALLENGE

FUGITIVE DUST EMISSIONS
DURING LOADING & UNLOADING

Dust suppression has become an increasingly important challenge at port and shipping terminals. As the demand increases to load larger vessels in quicker cycle times, port facilities must find effective ways to quickly move bulk materials and suppress dust as the materials are discharged onto the ship.



THE SOLUTION

DRY FOG RESOLVES DUST ISSUES IN THE
MOST CHALLENGING ENVIRONMENTS

DSI Dry Fog Dust Suppression systems address two areas of dust creation during ship loading – the discharge point and area of impact where the bulk material lands. DSI's custom solutions for ship loading chutes and barges maximize operational efficiency by enabling system operators to suppress dust while accommodating variable conditions such as humidity and wind coming off the water.



THE ADVANTAGES

DRY FOG OFFERS BENEFITS AND EFFICIENCIES OVER COMPETING TECHNOLOGIES

ONLY WATER AND COMPRESSED AIR REQUIRED

- No expensive ductwork, covers, or collection media needed.

LIMITED AMOUNTS OF WATER NEEDED

- Less water used than water sprays or chemical systems.
- Does not damage the BTU value if material is used as fuel.

LOAD MORE MATERIAL ON THE SHIP BY WEIGHT

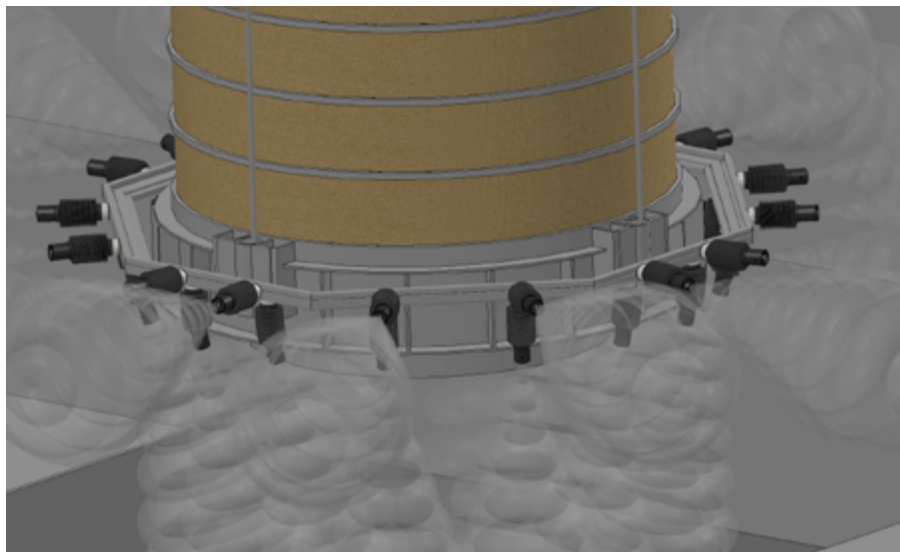
- Less than 0.1% moisture added to the product.
- No additional water = no additional weight.

QUICKER LOADING TIMES

- Dry Fog systems are installed on existing chutes and infrastructure and do not require additional cover.

INDUSTRIES SERVED

- Power Generation (Coal, Biomass)
- Mining/Minerals
(Gold, Copper, Silver, Nickel, Sulfur, Iron Ore, Coal, Limestone, Molybdenum, Diamond)
- Aggregate/Cement/Limestone/Sand
- Aluminum/Bauxite



FOGGING RING ON SHIP LOADER

CORPORATE HEADQUARTERS

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