

# Power Generation

## Peak Performance with less Outage Time



### A Faster, Better Clean.

Power Generation professionals know one key to peak performance is clean electrical equipment. However, the demand to keep the equipment running often leads to deferred cleaning and maintenance, reduced efficiency, and in some cases, outages caused by flashover.

Dry ice blasting provides a non-conductive, environmentally responsible cleaning process that allows equipment to be cleaned in-place, without cool down or disassembly. In addition, the outage time typically needed for cleaning can be reduced up to 65%.

#### APPLICATIONS

- Turbines
- Compressors & Generators
- AC/DC Motors
- Circuit Breakers
- Switch Gears
- Transformers
- Rotors
- Stators
- Insulators
- Field Frames
- Substation Isolators and Bushings

#### KEY BENEFITS

- Reduce catastrophic failure
- Improve megohm readings
- Increase polarization indices
- Improve thermal dissipation
- Reduce outage time for cleaning by 65%
- Eliminate secondary waste
- Clean in-place, no cool down or disassembly
- Non-conductive
- Non-abrasive
- Environmentally responsible

### Dry Ice Blasting vs traditional cleaning methods.

| CLEANING METHOD    | NO SECONDARY WASTE | NON-CONDUCTIVE | NON-TOXIC* | NON-ABRASIVE |
|--------------------|--------------------|----------------|------------|--------------|
| Dry Ice Blasting   | ●                  | ●              | ●          | ●            |
| Sand Blasting      |                    | ●              | ●*         |              |
| Soda Blasting      |                    | ●              | ●*         |              |
| Water Blasting     |                    |                | ●*         | ●            |
| Hand Tools         | ●                  |                | ●          |              |
| Solvents/Chemicals |                    |                |            | ●            |

\* Upon contact, traditional blasting materials become contaminated when used to clean hazardous substances and objects. These blasting materials are then classified as toxic waste and require appropriate safe disposal.



Photos courtesy of COLDSWEEP Dry ice Blasting