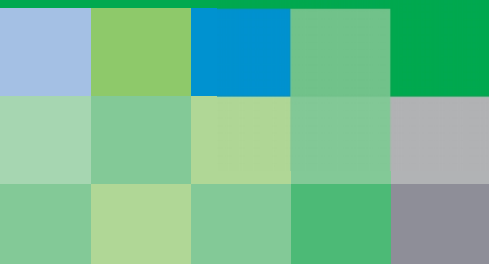
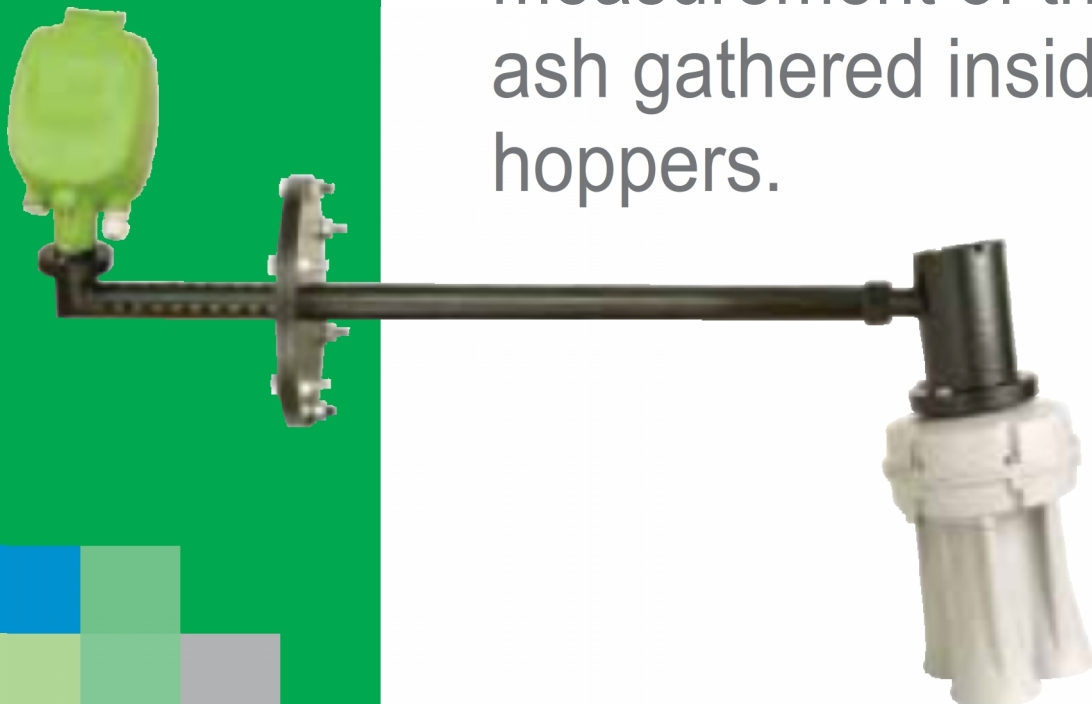


Volcan[®]

Measures ESP hoppers and provides accurate measurement of the fly ash gathered inside the hoppers.



The Volcan is dust penetrating, measures even with low dielectric constant materials and its inherent self cleaning technology makes it practically maintenance free. These features qualify it as the perfect solution for the harsh fly ash environment.

By knowing the amount of fly ash and the formation of the material inside the hoppers (including build ups), the Volcan" enables:

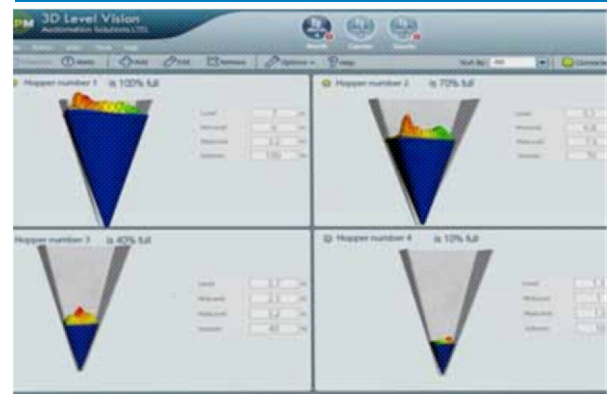
- Money saving through processes control inside and outside the hoppers.
- Changing the precipitator's potential, changing the heating plates based on the buildup location to prevent malfunctioning and air pollution
- Better controlled hopper emptying
- Early detection of system malfunction
- Reduce wear and tear

The Volcan" includes an array of three antennas that generate low frequency acoustic signals and receive echo signals from the contents of the hopper. Using 3 antennas, enables describing the surface of the material, allowing high accurate volume measurements and a 3D representation of material formation. The surface visualization can be shared by remote computer in the control room.

As the only solution on the market to give continuous real time volumetric readings of the fly ash, the Volcan scanner truly allows managers to efficiently control their ESPs' fly ash

The Volcan" installed in each hopper is a continuous measurement device that can be connected to any PLC or SCADA system, thus making it the ultimate control system.

Managers
can now see,
in real time,
what is going
on inside the
hopper,



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