

BLAST CEMENT CLOGS WITH THE AIRSWEEP

To produce cement, materials like shale, limestone, pyrite and sand are ground into a fine powder then funneled into a silo before being fed into a kiln. One of the biggest building supplies and cement manufacturers in the Philippines, with factories all over the country, had an **issue with shale hanging on the silo wall**.

THE PROBLEM

HUMIDITY HAMPERS OPERATIONS

The Philippines has very high humidity, and the moisture in the air would solidify the cement materials, clog the machines and bring production to a halt. For a particular vessel, the company needed a continuous rate of flow of 25-30 tons an hour. With other vessels in the plant, they had tried knockers and vibration motors. **They also had factory workers hammer the silo to free the sediment.** This happened so frequently that the company even had a formula for the cost of downtime (and hammer time) on their monthly operations. That's one way to hit their targets – but there had to be a better one.



Note the hammer marks all over the surface of the cone, which shows how much time spent and how often the tender/operator hit it with a big hammer every time it clogged. The diameter of the vessel is around 5.6m.

Not only that, the noise level has gone down significantly (no more hammering and knockers). In developing countries where the price of KWH is very high, the electricity savings alone can bring in a great return on investment versus knockers and industrial vibrators since **AirSweep® is estimated to use half as much energy.** With these results, the client will be rolling out more AirSweep® systems in their factories.



Control Concepts, Inc. provides a 7-year warranty on the AirSweep® unit.

MORE INFORMATION

[AirSweep® vs. Air Klocker](#)

[Watch our AirSweep® videos](#)

OUR CLIENTS IN THIS INDUSTRY INCLUDE



AIRSWEEP® IS USED BY MORE THAN HALF OF S&P 500 COMPANIES

Contact us for a custom engineered AirSweep solution

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