

Duztech — Sweden

Improving reliability of the work site environment



The client

As an innovative company based in the heart of Sweden, Duztech is always looking to improve their products. Duztech manufactures and leases open-air dust suppressors, more commonly known as mist cannons, to a wide variety of clients. Most of their clients around the world primarily operate in tough and dust filled environments such as mines, mills and building demolition sites. Because of this, finding highly reliable components to use in their equipment is very important for Duztech.

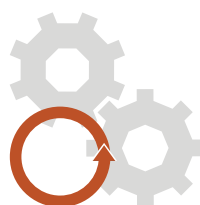
The challenge

A mist cannon has the important job of spraying the area of the work-site with a “mist” or “fog” of water in order to bind the dust in the air and bring it down to the ground. Taking this precaution is an integral part of keeping the air breathable in many work-sites, since dust is hazardous to both personnel and equipment. When mist-spraying areas up to 100 meters in diameter the dust and water mix will coat the cannon and the environment in a cement-like cover. Yet the cannon still has to be able to operate in this environment day after day, repeatedly, without breaking down. When Duztech designed their mist cannons, finding pilot devices that could stay operational in these conditions was a real challenge. A challenge that ABB was happy to accept.

The ABB solution

Duztech had good experience using ABB as a supplier for other components in their mist cannons. Understandably, they still wanted to make sure that ABB’s pilot devices was able to do the job before fully committing to a set of components. ABB’s pilot devices were tested thoroughly against dust and water by exposing the cannon and pilot devices to the environment they were going to operate in. In addition, Duztech also exposed ABB’s pilot devices to the harsh conditions of staying outside during a full winter in the north of Sweden.

ABB’s pilot devices passed the tests and were thereby chosen for the job. Duztech reports that they “still to this day have not had a single pilot device from ABB brake down due to environmental stress or regular use”. This gives ABB’s pilot devices the outstanding record of 100% reliability in continuous operation. The kind of reliability that ABB is happy to provide to Duztech while making the work-site environment better for personnel around the world.



100% Continuous operation

Duztech reports that none of ABB’s pilot devices has broken down during conventional use.

Contact us

ABB AB Electrification Products
Protection and connection
SE-721 61 VÄSTERÅS, Sweden

www.abb.com/lowvoltage
<http://new.abb.com/low-voltage/products/pilot-devices>

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