

# POWER STATIONS

- Avoid condensation
- Dry preservation for boilers
- Reduce costly maintenance

## Controlled humidity

Hydroelectric power stations handle large amounts of water, consequently there is a high risk of damage to machinery and control systems due to moisture through condensation. Moisture condenses readily on cold inlet and outlet pipes leading to problems with corrosion and damage to paint work. Controlling the level of humidity will overcome these problems and also provide a healthier environment for the employees.

## Preservation

When power station boilers are non-operating, the boiler flue gas section is required to be protected against corrosion. Maintaining a controlled level of humidity within the boiler and around the pipework will ensure an easy restart of the boiler system plus corrosion free pipes. Boiler maintenance will become easier with the absence of condensation. The dehumidification of storage areas will ensure that goods being stored will remain in its condition for extended periods of time and it reduces the requirement for specialty packaging.

## Wind farms

With the increase in the use of wind turbines, it is more practical to install a small dehumidifier inside the support tower than to periodically rustproof and repaint it.

## The solution: dehumidify

An air dehumidifier controls the relative humidity in a room or plant. Corrosion and general degradation problems with machinery, electrical and electronic circuits caused by moisture can all be avoided. The use of dehumidified air can significantly reduce maintenance costs by not having any shut down periods that decrease company's efficiency and profitability.



- Visit us at [www.dst-sg.com](http://www.dst-sg.com) and find your nearest DST representative for assistance.

## References

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*Croatia: Termoelektrana*

*Estonia: Boiler House Mustamäe.*

*France: E.D.F C.N.P.E, Electricity of France.*

*Japan: Kyusyu Power Plant*

*Netherlands: ARN, E.ON, EPZ, Essent, Gipp Energy One, Joulz, XEMC Darwind*

*Poland: EC Krakow, Powerplants in Poznan, Daelvoo, Grudziadz, Zielona G., Lubin, Gliwice, Powisle, Tagisza and Zabrze*

*Sweden: Båkab Energi, Vattenfall, Skellefteå Kraft, Gälsingekraft, Gullspångs kraft, BPA Lycksele, Nordkraft Service, Stora Kraft, Stora Nymölla, Sydkraft and Eskilstuna Energi*

*Switzerland: Termogamma*

*Turkey: Eüaş*

*United Kingdom: URENCO ChemPlants Limited*