

POWER STATIONS

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

Hydroelectric power stations

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 problem and also provide a healthier environment for the employees.

Preservation

When power station boilers are non-operational, the boiler's 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 area's will ensure that products stored will remain in 'as new' condition for extended periods of time and reduces the requirement for specialists 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 thus reducing costly maintenance.

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 and shut down periods adding to company efficiency and profitability.

References

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

France: Electricity of France.

Estonia: Boiler House Mustamäe.

Switzerland: Termogamma.

Croatia: Termoelektrana, Rijeka.

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

Japan: Kyusyu Power Plant