

# 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 area's 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.



## References

**China:** Goldwind science and technology Co.,Ltd

**Croatia:** Termoelektrana

**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

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

**Switzerland:** Termogamma

**Turkey:** Eüaş

*World leaders in dehumidification.*

Seibu Giken DST AB

# TO SELECT A DEHUMIDIFIER

Seibu Giken DST AB can provide the answer to the specific needs of every application. There is no problem requiring the supply of dry air that cannot be solved. Visit us at [www.dst-sg.com](http://www.dst-sg.com) and find your nearest technical representatives to discuss your requirements.

## Why dehumidify?

Dehumidification of air is an economic and effective way of avoiding problems that moisture can cause, such as rust, condensation, icing, mould and disruptions in production cycles. DST representatives have the experience of dehumidification solutions for everything from; warehouses, refrigerated storage, cleaning up the industry and buildings and climate solutions for the process industry. A regulated level of humidity is also very important when handling hygroscopic ingredients.

## Seibu Giken DST AB

DST is a Swedish company, founded in 1985. We are now a leading international supplier of desiccant dehumidifiers. DST has been a subsidiary of Japanese company Seibu Giken Co Ltd since 1993. DST is currently represented in over 40 countries throughout the world. Seibu Giken Co manufactures dehumidifier rotors, VOC rotors, heat exchangers and more.



Flexisorb unit CF-192



Stainless steel dehumidifiers from Seibu Giken DST.  
From left DR-010B, DC-5, AQ-31L



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