Calorex army goes into battle

An army of 13 Calorex dehumidifiers is playing an essential role in the re-development of a former WW2 storage facility near Bath.

The battle to reduce energy consumption was the top priority for nationwide business services company Restore, when it began re-engineering Monkton Farleigh Mine some 18 months ago.

Built during WW2, the mine comprises 60 acres of tunnels and storage districts. The facility is now used by Restore for the highly secure storage of documents and archives.

As part of the extensive project, Restore has invested in 13 Calorex DH600 dehumidifiers to control the environmental storage conditions deep within the mine.

John Ross, mine & facilities director at Restore explains: "The re-engineering project at the mine is being carried out in stages, with the aim of reducing overall power consumption and improving fire safety through the use of more modern and controllable plant.''

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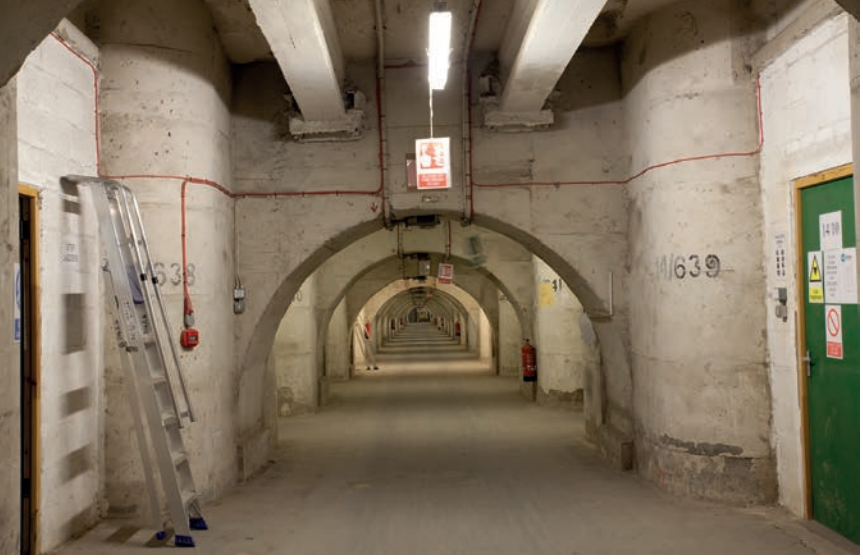
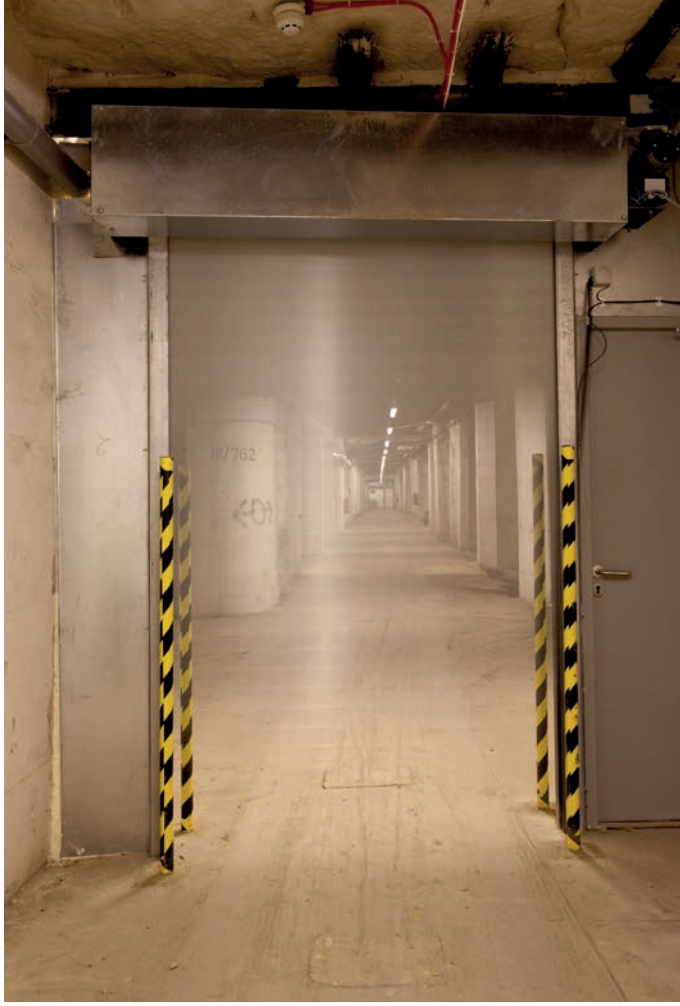
The Calorex DH600 dehumidifiers are capable of removing 600 litres of moisture from the air a day.

Drying by traditional heating involves continuously warming a stream of outside air on a constant 'in and out' cycle equivalent to eight times the volume of the room every hour.

Dehumidification, on the other hand, is much more sophisticated. It re-circulates the same air and physically removes moisture from it. Typically, as a by-product of the dehumidification process, for every unit of energy that a Calorex dehumidifier consumers, it will convert 2.5 times this amount to useable heat. The potential energy savings are huge. In fact, compared to traditional heat and ventilation energy, cost savings of 500% are not unusual.

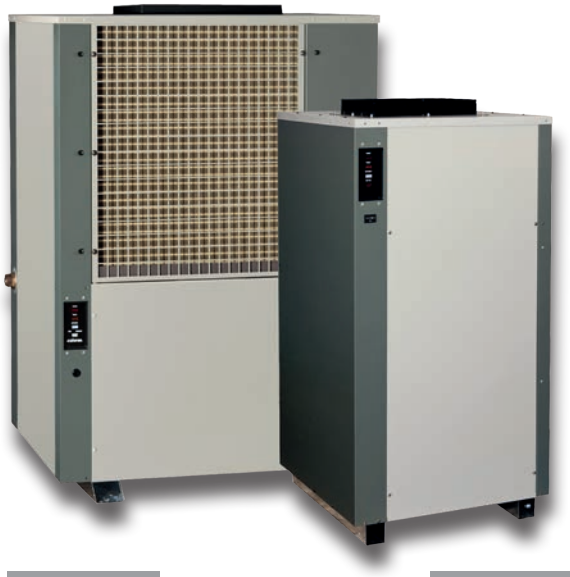
Restore are also using DH600 units in more conventional storage warehouses at some of their 87 sites across the UK.





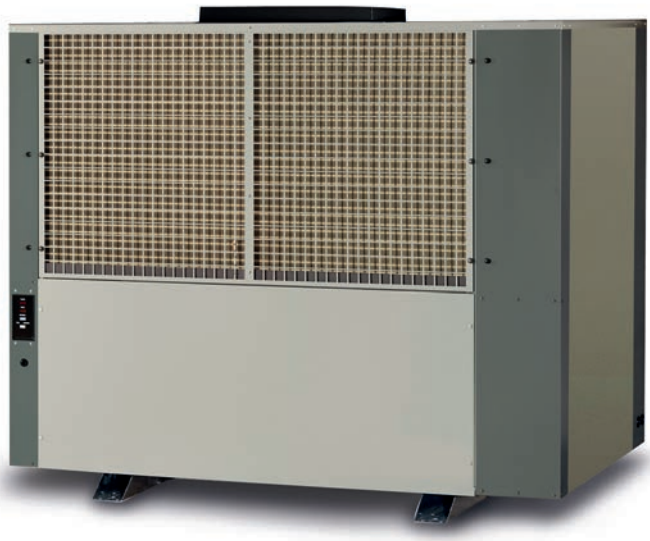
The DH600, 150 and 300 dehumidifiers from Calorex are versatile floor standing units that are suitable for a number of applications including:

- Industrial agricultural
- Warehousing/equipment stores
- Metals storage
- Pumping stations
- Spare part stores
- Museums and art galleries



DH300

DH150



DH600