

## District Cooling

Europe is showing a fast growing energy demand due to more need for air-conditioning that has stressed electricity networks to their limits during past record summers. Traditionally, comfort cooling is based on electricity to run the individual units. An alternative route solving this potential threat is central cooling. Centrally produced chilled water is the environmentally better solution.

Energy suppliers are taking the chance and offer district cooling parallel to their heating activities. Interesting fact is that in this field the Scandinavian countries and The Emirates (UAE) are taking the lead.

One of the fastest developing networks is currently installed in Dubai, a city with amazing building activities. The main lines are built with (a) large diameter(s) of up to 1600mm pre-insulated pipes in straight lengths, which are produced locally.

Flexalen is offering flexible pre-insulated pipes with a maximum diameter of 110mm to be installed for sub-lines.

Hotel resorts in all sub-tropic and tropic areas are equipped with centrally produced chilled water distribution systems to source air-condition units. This is an ideal application for flexible pre-insulated plastic pipes. Quick installation and maintenance free operation are perfect arguments for the investor. One of the world's top ranking luxury hotels – the OBEROI Rajvilas hotel in Jaipur - has been refurbished successfully with Flexalen pipes in 2007.

Flexalen products offer many solutions for such projects....

- Σ Flexalen 600 pre-insulated pipes - transporting district heating / district cooling / potable water
- Σ Flexalen SL - transporting district heating / district cooling / potable water
- Σ Flexalen 1000+ The multi functional system - triple and quad pipe arrangements
- Σ Flexalen Protectube - the multi function protective duct system
- Σ Flexalen 60 - small bore insulated pipes for interior cooling connections
- Σ Flexalen Solar Light - stainless insulated steel pipes for connection to solar collectors

For further information please contact

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