



Case Study; DATA CENTRE DRY COOLER APPLICATION

CONCEPT;

EcoMESH concept is based on intermittently and efficiently evaporating water on a large mesh area in front of the heat rejection surface of **Mini-Split, Rooftop, Air Cooled Chillers, Condensers and Dry Coolers...**

Adiabatic cooling affect is provided via intermittent water spray over a wired mesh surface. Water spray provides an adiabatic cooling of 15 ~ 25 C for the incoming air stream. It can be either initiated via an ambient sensor or alternatively by external control override.



**T Mobile
Data centre,
Slough, UK**

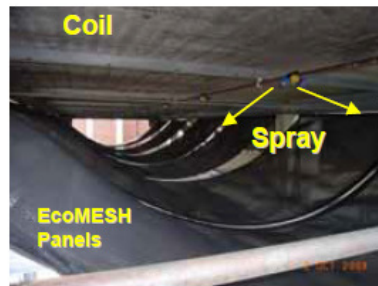
CASE STUDY;

T-Mobile data centre near Slough, UK has three large data centre building with internal water cooled Uniflair close controlled units. Large number of units placed on the perimeter of each room to remove the heat generated by the data processing machinery.

As the external dry coolers installed within a confined space the short circuiting of the discharge air from these unit caused considerable operational issues. Moreover, in order to maintain the reliability the client used to clean the dry cooler coils on a monthly basis. Since the installation of EcoMESH dated 2006 the client has not experienced any hot discharge air close circuiting issue and the most importantly the ,monthly coil cleaning is completely eliminated due to self-cleaning filter capability of the EcoMESH system



**Total 10 No's
Dry Coolers**



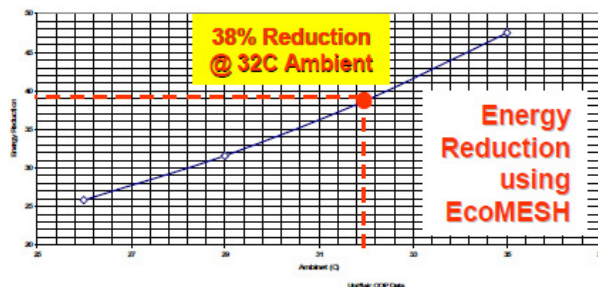
Coil

Spray

**EcoMESH
Panels**

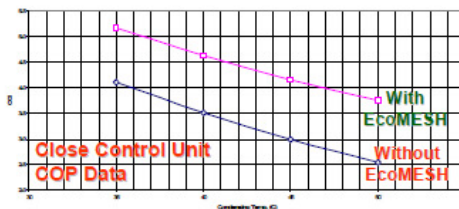


ENERGY REDUCTION USING EcoMESH ADIABATIC SYSTEM



**38% Reduction
@ 32C Ambient**

**Energy
Reduction
using
EcoMESH**



**Close Control
Unit
COP Data**

**With
EcoMESH
Without
EcoMESH**

BENEFITS:

- * **REDUCED RUNNING COST**
- * **QUICK RESPONSE**
- * **REDUCED WATER CONSUMPTION**
- * **FLEXIBLE SYSTEM**
- * **ELIMINATES HEALTH RISKS**
- * **LOWER MAINTENANCE**

TECHNICAL SUPPORT:

EcoMESH offers full site as well as design back up to assist in proper selection, installation, maintenance and integration of any new or existing systems as part of our customer commitment.

Please consult our technical sales team at sales@ecomesh.eu for your specific application or visit our web site www.ecomesh.eu.



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