

### **Temperature Mapping & Validation : UAE, Kuwait, Saudi Arabia, Oman, Bahrain & Qatar**

Vacker Environmental Engineering division is specialized in various temperature monitoring solutions for critical segments such as Refinery, Health care, Hospitals, Cold Chain, Shipping etc.

We have been providing our products and services especially for critical segments such as hospitals, pharmacies, cold storages, catering companies, hotels etc.

Our major products and services in this segment are:

- Sensors, data loggers, chart recorder for temperature, humidity, pressure, flow etc.
- Temperature & Humidity Monitoring Solutions with alarm and alert
- Temperature mapping & Validation of ware houses, cold rooms, vehicles, panels etc.
- Server Room / Data Center monitoring solutions with alarm and alert
- Thermal Imaging for Machinery, Electrical equipment etc.
- Phone call/SMS/Email alert system for temperature, humidity, pressure etc.
- Environmental Monitoring Solutions
- Clean room monitoring solutions
- Vehicle Monitoring solutions for HACCP
- Miniature data loggers for shipping / containers
- Wireless / Rf / WiFi data loggers & temperature monitoring
- Cold Chain temperature monitoring
- RFID sensors

### **Temperature Monitoring & Validation of Data Center / Warehouse / Cold Rooms / Refrigerated Vehicles**

For optimum performance of all equipment in a temperature controlled environment, the temperature distribution has to be effective throughout the area as well as inside the racks / shelves. The only method to identify this is through temperature mapping and studying the characteristics in real operational conditions. The temperature across various points inside a rack as well as the room has to be studied to analyze for any critical changes.

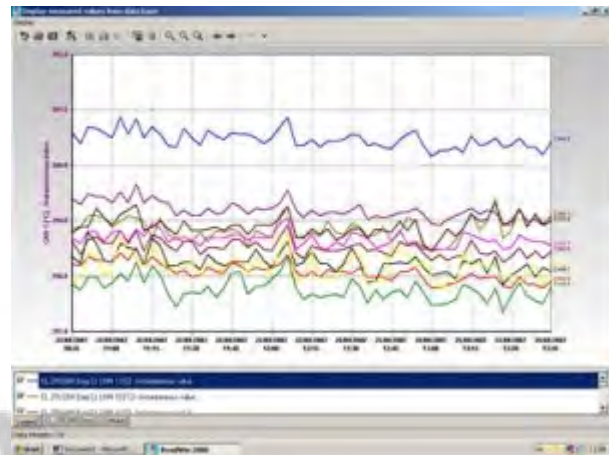


The temperature mapping is done either by distributing measuring probes centrally connected to a computer or by placing independent data loggers at various locations and later on consolidating the readings.

The studies can evaluate various conditions such as:

1. Identifying possibility of any critical hot or cold spots
2. change in temperature by operational effects such as opening a door of the room/rack etc,
3. Changes based on number of people present in the area
4. Uniform distribution of temperature across the entire room

The study has to be ideally carried in three climatic conditions ie. Summer, Winter and in an average climate. During the mapping all normal level operations like Door opening, people movement, Fork lift movement etc. should happen and should be recorded to the extent possible. This will help to identify any potential problems at various levels of operational conditions.



Based on the criticality, operational conditions and ambient conditions, the duration of the mapping can be as short as 24 hours or as long as couple of weeks.

We carry out the temperature and humidity mapping for warehouses, cold rooms, data centers, medicine rooms, refrigerators, refrigerated vehicles etc in UAE, Kuwait, Oman, Bahrain, Qatar & Saudi Arabia

Please see more about our service at :

[www.vackerglobal.com](http://www.vackerglobal.com)

Also see latest articles at our blog:

<http://vackerglobal.com/blog/>