

District Cooling Responsibilities Breakdown

End Users - Responsibilities

- **Regular maintenance of A/C Units**

The unit should be checked regularly and the filters cleaned or replaced as recommended. This will ensure efficient operation of the unit at its full power potential.

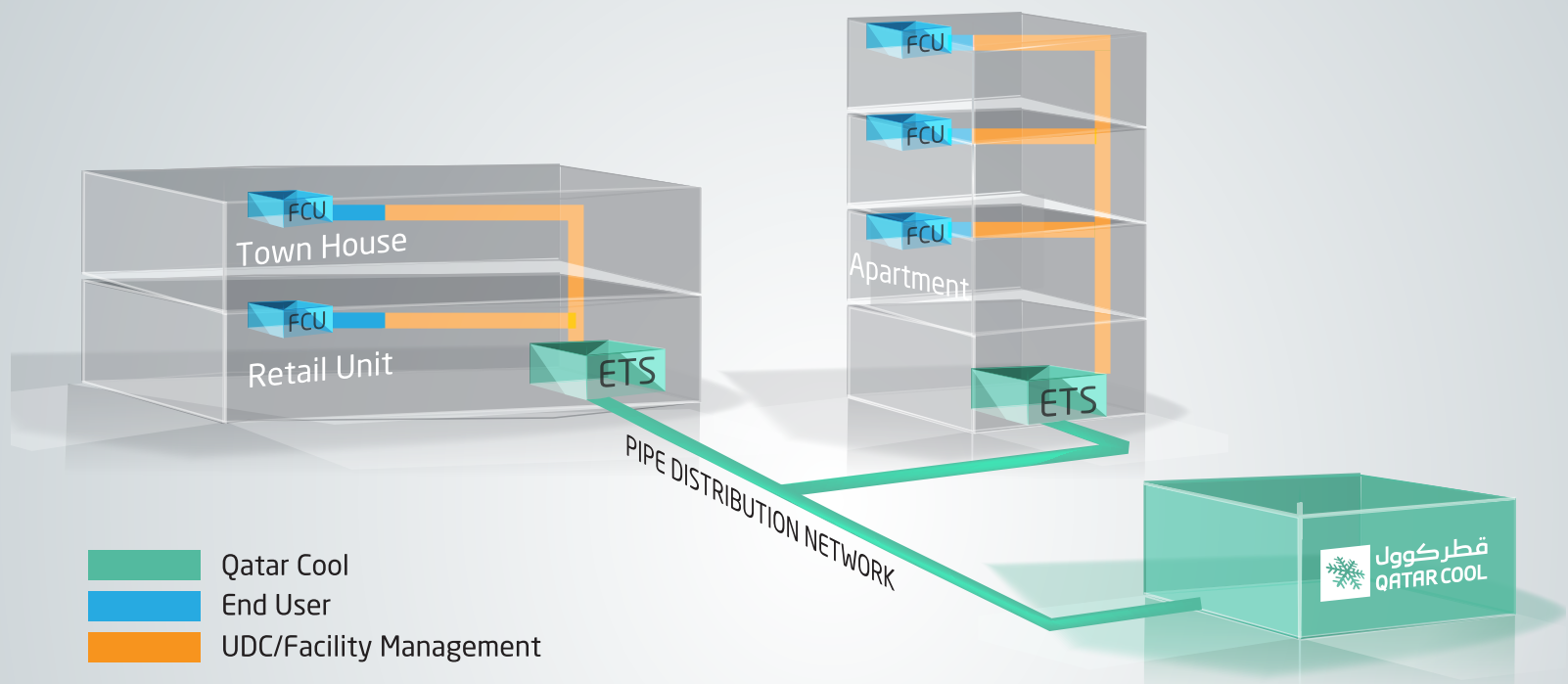
- **Check leaky ducts and damaged pipe insulation**

Ensure that ducts are well sealed so that you are not losing cooled air to the outside. Condensation in the chilled water pipes is an indication of poor insulation.

- **Set the Fan Cool Unit (FCU) to the right temperature**

An average room temperature of around 72 degree Fahrenheit or 22 degree Celsius is considered a comfortable setting for the FCU.

NOTE: If you experience problems with your air-conditioning please contact your maintenance contractor. If the problem persists please contact you developer/ building facility management



UDC/Building Facility Management - Responsibilities

- Ensure that the secondary system equipment are selected for district cooling application and they are operated within 8.9 deg C temperature differential.
- Regularly maintain the chilled water quality according to district cooling required parameters.
- Ensure that the HVAC system is properly tested and balanced. All bypass lines must be eliminated.
- Ensure that all open shafts and openings are completely sealed in the building. Doors and windows within air-conditioned areas are to be closed all the time.
- Regularly maintain the following equipment under their scope:
 - Variable Frequency Drives (VFD)
 - Chilled Water Pumps
 - Strainers
 - Make-up pressurization pumps
 - Field instrumentations related to secondary installations such as gauges, temperature sensors, flow meters, pressure transmitters, & etc.
 - Piping and Insulations
 - Valves
 - Cooling equipment such as Air Handling Unit (AHU), FCU, and Fresh Air Handling Unit (FAHU)
- Safekeeping of relevant documents such as as-built drawings and operation and maintenance manual of building's HVAC system.
- Operations and maintenance of Building Management System (BMS), if available

Qatar Cool - Responsibilities

Qatar Cool ensures that the building is provided reliable district cooling services within contracted temperature(s) and capacity.

Qatar Cool shall efficiently operate and maintain the following equipment:

- Plate Heat Exchangers (PHE)/Energy transfer station (ETS)
- Control Systems including Programmable Logic Controllers (PLC) and Remote Terminal Units (RTU).
- Field Instrumentations related to Primary Installations.
- Metering System

Qatar Cool shall provide support and assistance to the developer/Building Facility Management whenever necessary.



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