

Press Release

Empower is 100% ready for the summer season

The district cooling giant holds more than 80% share of Dubai's district cooling market.

1,463 buildings are served by Empower by the end of 2022.

Dubai, UAE, 24 April 2023: Emirates Central Cooling Systems Corporation PJSC (Empower), the world's largest district cooling services provider, confirmed that its teams and plants are all set 100% to cater to the increasing demand for the company's high-quality district cooling services during the summer season.

Empower, the leading district cooling company in the region and globally, has a share of more than 80% of the total district cooling market in Dubai, and by the end of 2022, the number of buildings connected to its district cooling network has reached 1,463 buildings in the residential, commercial, healthcare, hospitality, education, retail, entertainment and other sectors.

Out of its keenness to carry out its mission to the fullest, Empower has implemented successful proactive plans that cover the required preparations through sustainable and responsible methods towards the periodic and major maintenance works, in preparation for the gradual rise in temperatures during the coming months, which will impose additional burdens on the demand for district cooling energy in the commercial and non-commercial activities.

In order to meet the peak demand in the summer, Empower successfully completed various measures that focused primarily on developing the district cooling infrastructure in Dubai, including expanding the pipeline network and implementing Thermal Energy Storage (TES) systems, semi-permanent plants and heat exchangers, and many others.

Ahmad bin Shafar, CEO of Empower, said: "Energy consumption during the summer remarkably doubles as air conditioning consumes 70% of the total electrical supplies to buildings in the region. However, thanks to our most advanced technologies, Empower's district cooling systems reduce up to 50% of electricity consumption compared to traditional cooling systems. To meet the high demand in summer, Empower utilizes cutting-edge and globally recognized district cooling systems, in line with the vision of our wise leadership to promote sustainable development with the aim of reducing electricity and water consumption by 30%."

Bin Shafar explained that the Company's commitment to providing Dubai's most high-profile projects with district cooling services requires a high level of readiness to ensure quality and uninterrupted service to customers. "Empower has always been known for its outstanding services by utilizing advanced and environmentally-friendly technologies for the production of cooling energy, and applying AI-based solutions to effectively predict and fix breakdowns in the network."

He also pointed out that Empower trusts its ability to provide uninterrupted district cooling services to customers by leveraging its advanced systems including the state-of-the-art Command Control Centre (CCC) and Parallel Working Environment (PWE) technology that enables its teams to remotely monitor operations of its district cooling plants across Dubai. In addition to providing holistic smart monitoring for the entire operations, the CCC also ensures accurate temperature measurement in residential and commercial units, regular gauges maintenance, and continuous examination of thermal sensors.

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