



QUICK FACTS

Market:	Hospitality/Retail/Commercial
Design:	Modular
Scope:	Turnkey/EPC
Owner:	Palm District Cooling
Location:	Dubai, United Arab Emirates
Project Completed:	2008
Plant Specs:	105,000 TR of chilling capacity

JUMEIRAH LAKE TOWERS

District Cooling



As the Dubai, UAE, region underwent a massive construction boom in the early 2000s, there was strong demand for efficient cooling solutions that could save both energy and space. Jumeirah Lake Towers is a prestigious residential and commercial development on Dubai's mainland comprised of 64 skyscrapers. The development is home to more than 50,000 residents, 160 retail outlets and two hotels. With real estate at a premium, the development required an efficient, effective, scalable and space-saving way to cool the immense space.

Stellar Energy provided turnkey engineering, procurement and construction (EPC) for a district cooling solution for Jumeirah Lake Towers. Designed and executed in phases, the plants have a combined delivery of 105,000 tons of refrigerated water. Stellar Energy's expertise in modular construction was a deciding factor for Palm District Cooling, the group that directed the project and ultimately retained Stellar Energy to handle an additional district cooling project for Palm Jumeirah Trunk. "We chose Stellar Energy's modular chiller design for their scalability, low initial investment and the company's ability to commission large projects in a short time span while adhering to the highest international quality standards," said Keith Levers, CEO of PDC.

District cooling is the distribution of cooling energy from a centralized plant to several buildings in a district. Centralizing the comfort cooling infrastructure offsets the need for mechanical rooms in each building within the district, saving valuable real estate and improving efficiency up to 40%.



"We chose Stellar Energy's modular chiller design for their scalability, low initial investment and the company's ability to commission large projects in a short time span while adhering to the highest international quality standards."

- Keith Levers
CEO, Palm District Cooling

20+ years in the industry • 130+ projects in 14 countries • 1.2 million+ tons of refrigeration delivered
3,000+ megawatts recovered • 475+ modules fabricated • 100% performance tests passed



WWW.STELLAR-ENERGY.NET