

MAXIMUM UPTIME OF YOUR COOLING SYSTEMS

With our Service & Maintenance plans

24/7 Support - Optimise efficiency - Extend system life - Reduce energy costs - Peace of mind



Electro-mechanical equipment installation and maintenance

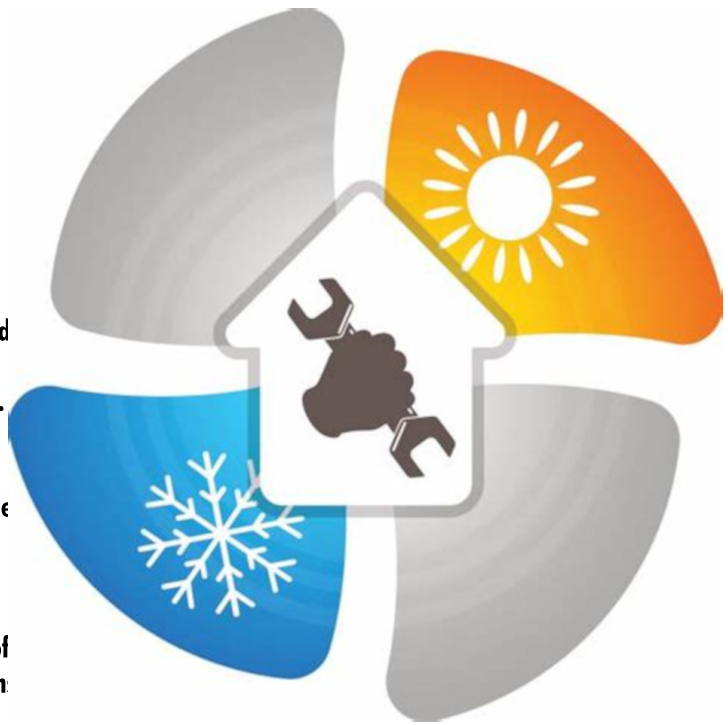
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The modern world cannot function without air-conditioning and cooling systems. It is unimaginable what would happen to all our habitats, workplaces, shopping centres and industries, if we didn't have cooling systems. That's all well and good, but maintaining and caring for these systems requires not just money and time, but also expertise and a great deal of hard work.

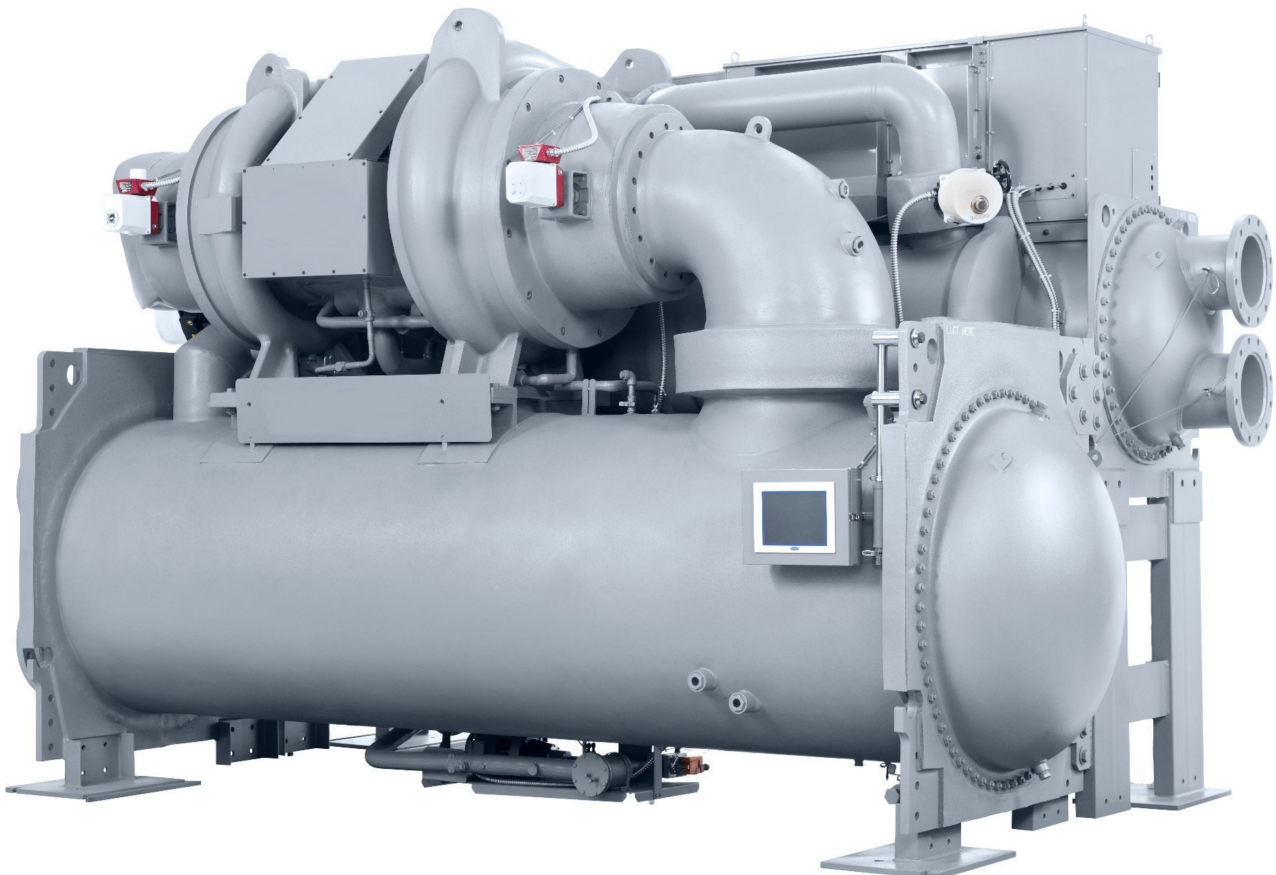
Nour Al Dunya was founded to meet this enormous and constantly expanding demand for trustworthy cooling system installation, support and maintenance services.

Our highly skilled and enthusiastic technical team of service engineers is the foundation of our business. The team lead, who is a well-respected name in the business, has over 40 years of experience in the industry's service and maintenance sector and has a reasonable expertise in cooling systems. is in charge of the team. Nothing eludes his keen sight of observation. For our clients, this attention to detail always means perfect problem solving, leading to peace of mind and cost savings.



Regardless of the size of your organisation, we offer fully tailored, end to end solutions of equipment related to chilled water and air conditioning and anything in between. Everything from Chilled water systems, Fluid circulation systems, Heat exchangers, HVAC, Refrigeration and any kind of cooling related services can be installed and maintained by our team of experts.

Once you turn over your cooling systems to us, rest assured, we guarantee you'll forget about the equipment in concern, because we take genuine care of your equipment so they keep operating at their peak performance.



Our Mission:

To understand our client's needs and to provide personalised installation and maintenance services while delivering value in a collaborative manner.

Our Goal:

To provide cutting-edge solutions for the installation and upkeep of electro-mechanical equipment.

Our Services:

Turnkey electro-mechanical installation & maintenance to organisations that need to maintain a large amount of equipment.

Chilled Water Systems

We install and maintain chillers and related fluid circulation equipment, HVAC equipment, including different types and sizes of air refining units, and necessary control accessories.

Support Services for District Cooling Installations

We provide Electromechanical equipment installation and maintenance services namely, services for large tonnage chilled water systems, fluid circulation equipment for example pumps, cooling towers, HVAC and refrigeration, heat exchangers, electrical, plumbing and fire fighting.

Vapour Compression System

We cater to all types and sizes of compressor repairs and overhauls in particular Centrifugal, Reciprocating, Screw and Scroll compressor configurations

Fluid Circulation System

Our team of experts handle all Fluid Circulation related Systems, Network installation & Maintenance.

Heat Exchangers

We provide services for installation and maintenance of Air Cooled and Water Cooled Chiller Heat Exchangers.

Building Maintenance

As part of yearly maintenance contracts, we provide single-window, turnkey building maintenance services. Services related to fire hydrants and alarms can be contracted out to a licensed contractor, so that you do not have to deal with multiple vendors.

Our Approach to Maintenance

Condition monitoring: The best predictive maintenance technology that can precisely identify issues related to equipment is condition monitoring.

With regular monitoring of sound and resonance, misalignment and imbalance, vibration analysis, oil analysis and refrigerant analysis, the lifespans of equipment can be extended.





Infrared Thermography:

In our quest for error free maintenance, we leave nothing to chance. We introduce technology enhanced tools to find and solve problem areas before they become problems. We intend to use infrared thermography to determine apparent temperature variations between the typical operating circumstances and temperature of industrial three phase electrical circuits. Through side by side inspection of the temperature gradients of each phase, technical teams are able to identify imbalance or overloading of current related abnormalities on specific legs with ease. Thermal cameras are also great tools for a long term preventive maintenance, asset condition monitoring and resolving issues. Engineers are able to obtain two dimensional imagery of equipment temperature profile by using a hand held thermal camera to obtain temperature measurements.

Geometric Shaft Alignment:

More than 50% of all issues with machinery are caused by levelling and misalignment. It is important to align rotating equipment in both vertical and horizontal planes. A misalignment may be angular, parallel or a combination of both. Vibrations are high when there is imbalance. Rotating misalignment, eccentricity, looseness might cause frequent bearing failures which might cause equipment down time. It has been demonstrated that better alignment and balancing greatly enhances asset lifespan. A detailed maintenance strategy negates this problem.



Oil Analysis:

Oil analysis can be broken down into these categories. Lubricant condition, Contaminants, Viscosity, Water content Machine wear etc. Maintenance engineers identify possible issues before a significant repair is required and may result in fewer oil changes being needed. We are partnered with a trustworthy service provider to handle this service.



Reliability Solutions:

Reliability solutions offer a proactive strategy to guarantee that important reliability improvements are addressed concurrently in order to reduce failure rates effectively. Equipment downtime is reduced in large part by using modern technology tools like vibration analyzers, infrared thermography cameras, oil sample collection for analysis, collecting sound level measurements and motor current signature analyzers in addition to predictive maintenance programs.