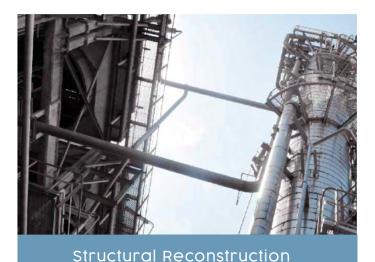




Cooling Tower Refurbishment

If you have already installed a cooling tower years ago, it is prudent to get more from your invesment by prolonging the lifespan of your cooling tower. In light of today's economy, the cost to refurbish an existing cooling tower is a lot more economical compared to replacing it with a new one.







KNOWLEDGE AND THE EXPERTISE

TO HELP YOU GET THE

BEST PERFOMANCE

FROM YOUR EXISTING

COOLING TOWER.

WE OFFER A

WIDE RANGE

OF REFURBISHMENT OPTIONS

TO SUIT YOUR

NEEDS AND REQUIREMENTS.

SOME STANDARD PACKAGES OFFERED:



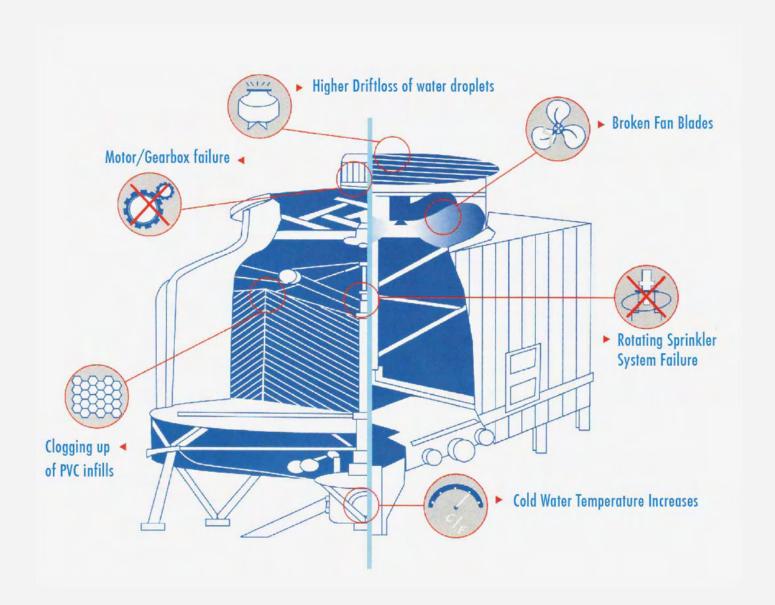






Are you Encountering Any Problems with your Cooling Tower?

The importance of proper maintenance of a cooling tower cannot be understand because the continuing supply of cooling water can only ensure the proper functioning of the whole cooling water or condensed water system. Yet many cooling towers are not sufficiently maintained, especially where its inherent designs present many difficulties for the maintenance personnel. It is therefore not surprise to find the following commonly identified problems with the operation of a cooling tower.



COMMON PROBLEMS ARE:

Loss of product quality,
Operation efficiency,
High water bills,
Production downtime and
Environmental threat.

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Production Downtime

Sudden failure on the rotating sprinkler arm or the drive system of cooling tower can cause production downtime. Because of the rotating sprinkler arm design, extreme care must be taken to ensure the rotating mechanism do not suddenly cease up.

Environmental Threat

The high drift of water droplets from a round cooling tower poses a potential environment threat of Legionnaire disease which is contracted by inhalation of the bacteria carried in the air. Cooling tower has been identified as a highly vulnerable source because it provides the conducive environment for the multiplication of the bacteria. When a cooling tower operates with high drift of water droplets, it carries with them the bacteria disseminating to the surrounding environment.

Loss of Product Quality/ Operation Efficiency

The cooling water suply temperature rises often due to clogging or decay of the PVC fills after a period of operation with little maintenance or due to the rotating sprinkle arm cease- up. Rising the cooling water supply temperature or ineffective cooling may cause loss of product quality in the case of a process cooling system or inefficiency of operation in a typical water- cooled air- conditioning system.

High Water Bills

The round tower inherent design lacking in an efficient drift eliminator also causes substantial loss of water from the continuous carry- over of water droplets with the airflow from the cooling tower to the atmosphere. The loss of water in a typical round cooling tower estimated at 0.5% of the water flowrate can cause a visibly high water bill if calculated on a yearly basis.



Cooling Tower Maintenance

The cleanliness of a cooling tower is currently a prime importance to owners. This is due to the existence of Legionnella bacteria that is actively widespread which is harmful to our health. Apart from environmental factors, mechanical factors also play an important role in maintaining optimum performance of cooling towers. Therefore, regular maintenance is the primary solution in getting the best performance out of your cooling towers.

A complete cost- effective package to ensure that your cooling towers are functioning at optimum performance throughout the year can also be scheduled by our team of experts, customized to suit your needs and requirements.

Bottom Line Benefits

Regular cooling towers cleaning and maintenance will help:

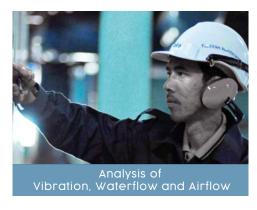
- Minimize system energy consumption
- Improve microbiological control
- Extend HVAC system life span
- Enhance HVAC system operation efficiency with minimum down time
- Maximize efficiency of water treatment

At M-Cube Engineering Sdn Bhd, we offer maintenance services with flexible packages to suit our customers needs and requirements. Our service packages consists of:













For any enquiries or information, please contact us at:

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