



(ETS) Cooling Tower repairs, maintenance, service and spares

Cooling Tower Solutions

Engineering & Technical Solutions (ETS)

Engineering & Technical Solutions Ltd
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Introduction

Engineering & Technical Solutions Ltd provides all facets of Cooling Tower technology, including new builds, repairs and maintenance of all types of cooling towers. We cater for small packaged towers to large mechanical draft units and also supply a large array of cooling tower parts and services. Through our in-house manufacturing facilities, our dedicated maintenance services and technical staff can keep your plant operating at peak performance with minimal downtime.



Cooling towers are reliable, energy-efficient work horses of the process technology industry. Considering the importance of cooling tower operation, the maintenance needs are modest when compared to many conventional plants. However, in order to ensure that the cooling tower can create the right conditions under all circumstances, maintenance must be targeted and effective.

We can offer an all encompassing service for all your cooling tower requirements. We are fully involved in the design, manufacture, test, supply and installation.



Service

The Service Division of Engineering & Technical Solutions Ltd provides an extensive range of replacement products and aftermarket services for any brand of existing wet cooling tower installation. From inspection and preventative maintenance to up grades, extension cells and replacement parts you can trust ETS's aftermarket services.



Cleaning

ETS offer a thorough cooling tower cleaning service in accordance with the Legionella Control Association guidelines. We can undertake any type of cooling tower clean, both in the UK and Europe.

Our cooling tower cleaning services gives you confidence that we are operating in accordance with the guidance and legislation document ACOP L8.



Fans, Motors and Gearboxes

A wide choice of components are available to us, proven by years of experience to match the performance duties of the tower. Maintenance, laser alignment, vibration, weatherproofing and noise are all criteria that are taken into account and balanced against airflow requirements.

Over a period of time it is a fact that machine parts wear and in some cases fail. Engineering & Technical Solutions Ltd provides a comprehensive selection of gearboxes, drive shafts, couplings, fans & motors and we aim to minimise the disruption to your production requirements.



Capacity Measurement



Even when performance remains optimal, the capacity of a cooling tower can drop below the critical level unnoticed. Additional equipment, changes in production or other factors can play a significant part.

ETS research departments have the measuring equipment that can measure performance with precision. The detailed report will tell you, for example, what you can expect on a particularly hot day.

ETS experts can also measure the relevant data upon completion of construction or after an overhaul. Their findings and conclusions give you an accurate picture of the performance in practice.

Fans in Balance

If a fan is out of balance, there are numerous negative effects. The immediate results are lower efficiency, shorter lifetime, more noise and damage to the drive. We have the capability to measure the imbalance and help to eliminate it. A regular check is a sensible preventive measure.

Replace or Upgrade?

Higher demand for cooling does not automatically mean a new cooling tower. ETS can increase the capacity, through, among other things, high performance fill, a more efficient fan and modified water distribution.



Cooling Tower Parts

Engineering & Technical Solutions can supply parts for any manufacture and type of cooling tower and support it with expert technical advice. Most parts can be supplied from stock or from our group manufacturing facilities.



Cooling Tower Fill Packs

Fill Pack is a media manufactured with high quality PVC & PP sheet foils with ETS manufacturing various types to suit all applications. The sheets can be supplied either for assembly or in modular form. Engineering & Technical Solutions Ltd can supply both large and smaller quantities of Fill Pack from stock.

Drift Eliminator / Air Inlet Louvres

ETS manufacture various types of high efficiency drift eliminators and air inlet louvres in either PVC or PP to suit all applications.

Fan Stacks

Fan stacks are generally replaced with light weight GRP units. However, traditional existing units manufactured from timber can be repaired, replaced or refurbished.

Guarantee for Health & Safety

ETS provides health and safety documentation for each project. It contains guidelines relating to safety, working conditions and co-operation on the project concerned. On request, the health and safety plan can be amended to dovetail with similar client plans or to suit other implementing parties.



Excellence Passion Integrity Responsibility Experience

Engineering & Technical Solutions (ETS) provides advice and service to all your Thermoplastic and Composite requirements for industrial plant owners from petro-chemical to waste water who need to upgrade to materials more suitable for the environment and the site conditions.



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