

COOLING TOWER MANUFACTURING BY ITS INSIDE WITH **MTS**

MANSILLAS THERMOPLASTIC SYSTEM (MTS) is an interesting technology capable of manufacturing new parts over existing ones or repairing them by creating a continuous sheet that plasticizes the surface to resist, stabilize and increase the useful life of various installations. Solving their common problems of corrosion, abrasion, damage due to heavy impacts, leaks or any degradation caused by an aggressive environment on concrete, metal, wood, asphalt, polyester surfaces or practically any construction material.



Sample of MTS used in manufacturing.

Cooling Tower recovery by its inside.

This report it is about the recovery of a Cooling Tower by the inside with **MTS**, this facility is property of a food Factory, this tower had a lot of corrosion in the surface, due to its use as we can see in the pictures.



Outside of Cooling Tower.



Inside of Cooling Tower, corrosion detail.

The ideal solution has been the creation of a new surface of the tower and its pillars, without joints with **MTS**, protecting the surface completely, manufacturing a new one, continuous in a single piece, stopping degradation and corrosion.



STM manufacturing inside of cooling tower.













The execution of the tower from its cleaning to its start-up was minimal, with the **Mansillas Thermoplastic System (MTS)**, it is not necessary to make long stops in the facilities.

With Mansillas Thermoplastic System (MTS) We have created a new internal Cooling Tower with the same measurements but with bigger resistance al durability than the old.

We can conclude that, thanks to the use of **MTS** in the rehabilitation of these facilities, the shortest posible time is used with the best results, because the operation time is minimal and the facility was operational within a few hours if implementing the **MTS**.

In this way the **STM** becomes a great ally for the maintenance and protection of both concrete, metal or polyester structures in industrial facilities, with the consequent economic savings for the customer avoiding breakdowns, replacement of parts and minimizing downtime.

Mansillas Thermoplastic System (MTS) features:

-  Advanced technology for the creation of a new body over the existing support, which provides a perfect barrier or shield against external attacks.
-  Ability to manufacture new parts.
-  Adaptation and specific design of the system for each project.
-  Complete technical Mobility: Implementation of the system in place required by the client, using mobile autonomous factory.
-  Faster implementation of projects: fast uptime 6 to 20 seconds.
-  Indifferent system to moisture and temperature: Not sensitive to high humidity and can be applied to virtually any temperature without complication.
-  Low permeability classification and water vapor transmission.
-  Excellent physical properties: abrasion resistance, tensile, impact, tear, fire, chemical ...
-  Excellent adhesion.
-  Continuous system without joints or cracks: removing accesses fluids, bacteria or other contaminants that enter the support and degrade.
-  Long-term stable system, keeping their original physical properties even with long-term aging and obtaining the durability of the structures.
-  Environmentally friendly.