



ENECON[®]

Advanced Polymer Systems (USA)

August 2016 works SS pipe & Crane base

By ENECON Mesogios Ltd



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Where & When:

Nicosia, August 2016

Client:

Waste Water Treatment plant

Problem:

Pitting Stainless Steel pipe

Corroded crane base

Challenge:

Stop active leaks from pipe & coat for protection

Build up base of crane with material that bonds to metal and then coat with chemical resistant polymer composite

ENECON products used:

ENECRETE DuraFill ([click for tech sheet](#))

SpeedAlloy QS ([click for tech sheet](#))

DurAlloy ([click for tech sheet](#))

CHEMCLAD SC ([click for tech sheet](#))



Corroded base of crane



Our repair consisted of:

- Clean up loose material and rust as well as old paint as much as possible
 - Rebuild surrounding area with DuraFill mixed with highly rated silica sand.
 - Coat all twice with CHEMCLAD SC
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Corroded base...The challenge

The reason the base was consistently getting corroded was due to the fact that water was reaching the metal part.

Our solution

Rebuilding with a material that bonds to metal from one end and finishing to zero point.



SS pipe active leaks



Our repair consisted of:

- Remove loose rust.
- Stop leaks with fast setting polymer composite
- Coat twice with CHEMCLAD SC

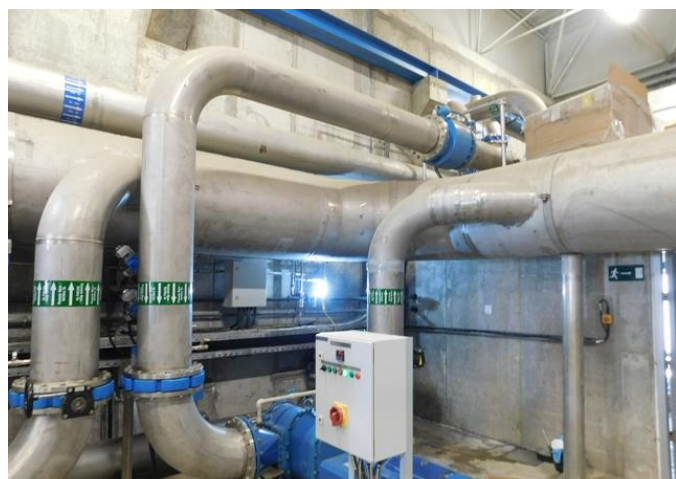
Holes in Stainless Steel pipe...The challenge

To stop active leaks. Even when not in operation, moisture was present.

Our solution

Stop leaks with SpeedAlloy QS (our fast setting polymer composite). Then permanently repair using DurAlloy 2 component past material by ENECON.





Taking into consideration the corrosive environment, all surfaces were coated with ENECON's CHEMCLAD SC for maximum protection.
This project is accompanied by a warranty.

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SS fan housing ([view](#))

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