



## CASE STUDY

## CUSTOMER

SOLVAY CHEMICAL PLANT

## LOCATION

TUSCANY, ITALY / 2012

## EQUIPMENT

TURBINE ROTORS

## APPLICATION

DE-MINERALIZED WATER INJECTION CLEANING SYSTEM

## PROVEN RESULTS



PROTECTED  
DE-MINERALIZED  
WATER  
INJECTION  
SYSTEM

## CHALLENGE

Improve the reliability of the turbine rotors in a de-mineralized water injection cleaning system by removing wear contamination that was causing corrosion of stainless-steel and cast-iron piping.

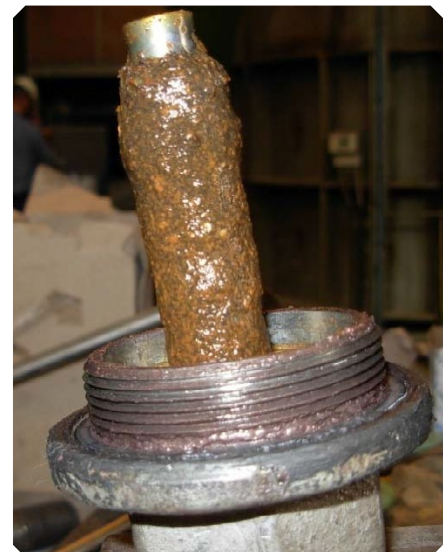
## SOLUTION

Install 6 OEI magnetic filter elements into existing Y-strainers employed on the system to decrease the amount of rust contamination.

## RESULTS

The photo shows contamination captured on one of the magnetic filter elements after 30 days of operation.

The successful test prompted the facility to deploy OEI filtration on 2 more systems.



PRODUCT  
RECOMMENDATION  
**MAGNETIC FILTER  
Y-STRAINER**



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