

# FERTILISER SCRUBBER FANS



## CASE HISTORY

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# SUMMARY

<b>INDUSTRY</b>	: Fertiliser
<b>PRODUCT</b>	: ARC SD4i
<b>PLANT</b>	Granulating Plant
<b>LOCATION</b>	: Western Australia
<b>SUMMARY</b>	: Wet fertiliser sticks to the fans, causing them to become imbalanced. This results in the equipment constantly needing to be shut down and the fans requiring cleaning by abrasive blasting.
<b>ROI</b>	Fans now require very little cleaning using low pressure water only; dramatically reducing downtime and maintenance costs.

# PROBLEM DESCRIPTION

- Build up of fertiliser causing fans to vibrate and become imbalanced.
- This required a shutdown every two weeks for the fans to be sandblasted to remove the build up. Approximately one tonne of garnet was used in this process.

# SOLUTION

- The fans were lined with ARC SD4i ceramic composite coating, providing a high gloss finish with superior abrasion resistance.
- The fans now remain unaffected for a period of approximately 4 months and can be cleaned using low pressure water only.





# SOLUTION

- Based on the success of ARC SD4i the customer decided to trial various other, competitor lining systems.
- The customer found that none, apart from Imatech's coating, managed to last very long due to the abrasive nature of the fertiliser.



# RESULTS

The plant now specifies that all scrubber fans are lined with Imatech composites.



# CONTACT US

Let us help you find out how our products can improve your operations and save you time and money.

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