

# case study

## Increasing the availability of turbines for a power generation company in Australia

fluitec.com



### Problem

A powerplant had been using Fluitec's **ESP VITA™ II** system for the past seven years. It has helped them to maintain normal MPC levels but they began noticing a decline in the antioxidant levels to 50% which threatened a shutdown.

### Solution

**DECON AO™** was incrementally introduced in two doses of 1.5% each to the turbine to elevate antioxidant levels.

### Results

After the addition of DECON AO, antioxidant levels surged to 100%, sustained consistently over the last 6 months. MPC levels, previously fluctuating between 5-40, are now maintained within the 5-10 range. The power plant operates seamlessly without encountering challenges or the risk of shutdown.

### Total Saved

# \$166K

<b>Client:</b>	Major Power Generation Plant
<b>Country:</b>	Australia
<b>Application:</b>	Gas Turbine
<b>Cost savings:</b>	\$166,000 AUD over 10 years
<b>Oil savings:</b>	6,500 liters
<b>CO2e kg saved:</b>	52,238 CO2e kg over 10 years
<b>Solution:</b>	DECON AO



**MPC PATCH 6 MONTHS AFTER DECON WITH AN  
MPC RATING OF 5 AND AMINES RATING OF 102%**

