

## A 50% MTBF increase whilst sealing a corrosive lime slurry

An Italian coal fired power plant was having problems with unacceptable failure rates on their Flue Gas Desulphurisation (FGD) pumps. Mechanical seal failure was allowing caustic liquids to leak causing extensive damage and contributing to a €10,000 per annum maintenance bill.

The pumps were failing every 12 months and because they pump corrosive lime slurry, the leakage was damaging the pump body and base increasing the repair bill. AESSEAL® installed a cartridge mounted double seal (CDSA) along with a SP seal support system in November 2009.

The new solution has increased the mean time between failures by over 50% and helped reduce the annual maintenance bill by over €3,000. The new seal and seal support system is configured to ensure that there is no leakage of the corrosive lime slurry in the event of seal failure, increasing plant safety and helping to reduce maintenance costs.



## “Increasing MTBF and reducing costs”

|                |   |
|----------------|---|
| Industry:      | Power   |
| Product:       | Cartridge Mounted Double Seal (CDSA) and SP Seal Support system |
| Application:   | Flue Gas Desulphurisation (FGD) pump                            |
| Savings:       | €3,000 (and counting)   |
| Reference N.O: | CH00763   |

