

EXXARO COAL MINE, SOUTH AFRICA

COOLING TOWER AND BOILER TECHNICAL SERVICE CONTRACT



24/7 support ensures the continuous operation of Exxaro's boiler and cooling towers.

THE CHALLENGE

Exxaro required a specialist to ensure that their water treatment plant remains trouble free. The plant, which feeds the coal mine's boilers and cooling towers, must operate at the highest availability, produce in-specification water and operate efficiently and continuously. The contract included the maintenance of chemical residual to ensure scale and/or corrosion-free equipment on the mine.

OUR CHEMICAL SERVICE CONTRACT

PROXA's highly experienced technical service team carries out regular site visits in order to take boiler and cooling tower water samples and perform on-site water analysis. Based on our findings, we give advice on plant performance, dosing regimes and supply any necessary chemicals. When required, specialist analyses using advanced techniques such as ICP, XRF or similar are used to solve problems. Working in conjunction with the client's team, we will adjust the dosing regime to target specific undesired elements.

HOW PROXA ADDED VALUE

PROXA is available 24/7 to ensure that plant operation remains uninterrupted. This support ensures savings associated with equipment failure and/or unexpected plant breakdowns. It also contributes towards the mine achieving various Key Performance Indicators (KPIs).

PERFORMANCE TARGET

◊ Aligned to the client's Key Performance Indicators.

PROCESS INNOVATIONS

PROXA's expertise and knowledge of both the plant and water chemistry enables us to ensure optimum water quality at all times.

ENVIRONMENTAL PROTECTION & SOCIAL ENGAGEMENT

PROXA uses biodegradable chemicals in the treatment process to avoid any negative impact on the surrounding environment.

Client: Exxaro

