

CASE STUDY 3 – CLEARFLOW® COOLING TOWER OPTIMIZATION – PORT HARCOURT, NIGERIA



OVERVIEW

An industrial manufacturing plant in Nigeria faced high make-up water consumption and scaling issues in its 4,000 RT cooling towers. This caused frequent maintenance, chemical waste, and unplanned shutdowns.

CHALLENGES

- Heavy water losses and scaling in cooling loops
- High chemical usage and environmental impact
- Frequent downtime from manual cleaning and treatment cycles

BENEFITS

- Automatic backwash filtration with ClearFlow® units
- 30% water savings and extended equipment life
- Compliance with ESG and water conservation goals

**30% Water Savings
annually**

**50% Fewer Downtime
Events**

**Reduced Chemical
Consumption by 25%**

