Case Study

Air Quality Improvement at an Airport

A prominent international airport in India sought an advanced solution to eliminate persistent odour issues and corrosion risks arising from its sewage treatment plant.

THE PROBLEM

01

Hydrogen sulfide exposure led to health issues and discomfort for employees.

02

Corrosive gases damaged metal and electronics, raising maintenance costs and lowering reliability.

03

Conventional filters saturated fast, lowering efficiency and causing frequent disruptions.

04

Chemical treatments produced extra waste and emissions, missing sustainability targets.

THE AQOZA® OCU SOLUTION

Advanced Odour Control Unit

Aqoza installed a high-capacity 1980 m^3/hr odour control system designed to capture and neutralize harmful gaseous compounds.

Specialized Filtration Media

The unit uses Aqoza's high-grade coconut shell activated carbon for better adsorption and longer life.

Enclosed Collection System

FRP sheets covered STP tanks, stopping odours and channeling gases to the filter unit.

Proven Performance

After installation, H_2S levels fell from 100 ppm to under 1 ppm, creating a safe, odour-free environment.

Long-Term Efficiency

The dry filter runs without chemicals, lasts 3+ years, and lowers costs.

Improvements Observed in the Airport

Odour from the 1.5 MLD Sewage Treatment Plant was **completely neutralized**

Reduced Hydrogen Sulfide emissions

It reduced corrosion and protected key airport infrastructure.

Zero Complaints Reported

Improved Working Environment

Security teams now work comfortably near the STP, boosting focus and efficiency.

2000 m³/hr Clean Airflow

The OCU treats 2000 cubic meters of air per hour, maintaining safe and odour-free discharge.

Cost Efficiency in Operations

Environmental Responsibility

Employee Well-Being

Asset Protection

Contact us to know more about space recovery and cost-effectively eliminating odour.

info@aqoza.com | www.aqoza.com