Purification Plants Data Base and Decision Support Tool

Welcome to PlantPal

Our comprehensive system helps you assess water purification plants and determine the optimal operating model through data-driven decision making.

Using advanced decision tree algorithms, we analyze plant characteristics, risk factors, and efficiency metrics to recommend the most suitable operational approach.

Saudi Arabia Plant Locations

Operational Plants

Under Maintenance

Decommissioned

New Plant Input

Browse comprehensive plant assessments and operating model recommendations

View Plants

Plants Under Design

Manage plants currently in the design phase with documentation and notes

Manage Design Plants

Plants Under Construction

Track plants under construction with progress updates and documentation

Manage Construction Plants

Operating Model Selection

Explore the complete decision tree flowchart that powers our recommendation engine and understand the logic behind model selection.

View Tree   Operating Model Selection

Plant Data Base

Browse all assessed plants, view historical data, and access plant information without decision tree analysis.

Browse Plants

Plant Upgrades

Manage plant upgrade proposals, view upgrade documentation, and edit improvement plans for water treatment facilities.

Manage Upgrades

Plant Cost Assessment

Comprehensive cost analysis including operational expenses, maintenance costs, and economic efficiency evaluations.

Cost Analysis

Budget and Actual Production Data

Manage budget vs actual production data including availability, NDCT capacity, investment details, and cost metrics.

Budget & Actual Data

Plant Clustering Opportunity

Identify synergies between plants, shared resource opportunities, and optimize regional operational strategies.

Manage Clusters

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Plant Decommissioning Detail Analysis

Detailed decommissioning analysis including closure costs, environmental impact, and asset disposal strategies.

Decommission Analysis

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Plant Operational Excellence

Performance optimization tools, best practices implementation, and operational efficiency enhancement programs.

Excellence Program

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Water Purchase Agreement

Manage water purchase agreements, contract terms, pricing structures, and volume commitments for water treatment plants.

Manage Agreements

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Mobile Units

Track mobile water treatment units, manage central repository in Riyadh, and maintain specifications with location mapping.

Manage Mobile Units

Plant P/L Statement

Complete revenue and cost analysis with detailed financial calculations and variance analysis for individual plants.

View P/L Statements

Key Features

 AI-Powered Model Selection

 Comprehensive Risk Assessment

 Efficiency Analysis & Optimization

 Secure Document Management

 Mobile-Friendly Interface

 Real-Time Decision Support