

M3M GOLF ESTATE CASE STUDY

DIGITAL-ENABLED STP OPERATIONS & COMPREHENSIVE O&M

Client: M3M Golf Estate, Gurugram

Plant Capacity: 2 MLD STP

Service Partner: Enhanced Wapp Systems India Pvt. Ltd.

SWIPE TO EXPLORE ➤

PROJECT OVERVIEW

The Challenge:

M3M Golf Estate required a reliable partner to manage its 2 MLD Sewage Treatment Plant with:

- ◀ 24x7 Operations
- ◀ Trained Manpower Deployment
- ◀ Preventive Maintenance
- ◀ Treated Water Quality Management
- ◀ Digital Monitoring & Reporting
- ◀ Compliance Support

Objective: Ensure uninterrupted plant performance with complete operational transparency.

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PROJECT SNAPSHOT

PARAMETER	DETAILS
Site	M3M Golf Estate
Location	Sector 65, Gurugram
Capacity	2 MLD STP
Contract	Comprehensive O&M AMC
Digital Platform	DigitalPani
Service Scope	Operations, Maintenance, Monitoring & Compliance

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KEY OPERATIONAL CHALLENGES

- ⌂ Continuous wastewater generation
- ⌂ Need for round-the-clock operations
- ⌂ Risk of equipment breakdowns
- ⌂ Manual monitoring limitations
- ⌂ Compliance and reporting requirements
- ⌂ Delayed issue escalation
- ⌂ Inventory and maintenance management
- ⌂ Treated water quality consistency

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COMPREHENSIVE SCOPE OF WORK

What Enhanced Wapp Delivered

- ◀ 24x7 STP Operations
- ◀ Digital Monitoring through DigitalPani
- ◀ Manpower Deployment
- ◀ Preventive Maintenance
- ◀ Water Quality Management
- ◀ Housekeeping & Cleaning
- ◀ Reporting & Record Keeping
- ◀ SLA & Escalation Management

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DIGITALPANI-POWERED MONITORING

Smart STP Management

DigitalPani enabled:

- ◀ Live Dashboards
- ◀ Real-Time Alerts
- ◀ Automated Reporting
- ◀ Escalation Tracking
- ◀ Maintenance Tracking
- ◀ Historical Performance Analysis
- ◀ Central Expert Monitoring
- ◀ Corrective Action Guidance

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MANPOWER & MAINTENANCE STRATEGY

Operational Backbone

On-Site Team

- ◀ 4 STP Operators
- ◀ 1 Technical Supervisor

Maintenance Focus

- ◀ Pumps
- ◀ Blowers
- ◀ Valves
- ◀ Compressors
- ◀ Electrical Panels
- ◀ Filters & Treatment Units

Supported by 24x7 expert monitoring.

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IMPLEMENTATION METHODOLOGY

Step-by-Step Execution

- ◀ O&M Mobilization
- ◀ 24x7 Plant Operations
- ◀ DigitalPani Deployment
- ◀ Preventive Maintenance Planning
- ◀ Water Quality Monitoring
- ◀ Reporting & Escalation Framework

A structured model ensuring operational discipline and reliability.

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SOLUTION APPROACH

Integrated O&M Model

People + Process + Technology

- ◀ Dedicated O&M Team
- ◀ DigitalPani Monitoring
- ◀ Preventive Maintenance
- ◀ SLA-Based Accountability
- ◀ Treated Water Performance Management

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VALUE DELIVERED

Key Benefits Achieved

- ◀ Operational Reliability
- ◀ Faster Issue Detection
- ◀ Improved Maintenance Control
- ◀ Better Treated Water Management
- ◀ Stronger Accountability
- ◀ Enhanced Visibility Through Dashboards & Reports

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EXPECTED OUTCOMES

Performance Improvements

- ◀ Continuous STP Operations
- ◀ Reduced Breakdown Risk
- ◀ Faster Resolution of Issues
- ◀ Better Maintenance Compliance
- ◀ Improved Reporting Transparency
- ◀ Enhanced Water Reuse Potential
- ◀ Stronger Alignment with HSPCB Requirements

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A SMARTER APPROACH TO **STP OPERATIONS**

The M3M Golf Estate project demonstrates how combining:

**24x7 Operations + Skilled Manpower + Preventive
Maintenance + DigitalPani Intelligence**

creates a proactive, transparent, and performance-driven
wastewater management model.

Enhanced Wapp Systems India Pvt. Ltd.

Delivering Reliable & Digital-Enabled Water Infrastructure
Operations.