



YOUR COMPACT WATER SOLUTION PARTNER

THINK **INSIDE** THE BOX

9 units | Laundry, Kitchen, Sewage, Effluent | 200 KLD



PENTAAQUA's TAILORED SEWAGE TREATMENT FOR A **5-STAR HOTEL** IN SOUTH ASIA

Successfully exported, our tailored compact sewage treatment solution meets the distinctive requirements of a luxurious 5-star hotel in South Asia.

With a robust capacity of 200 KLD distributed across 9 units, our innovative system caters to diverse applications, including the efficient treatment of kitchen and laundry wastewater. Stay tune to uncover how this tailored solution not only meets stringent standards but also enhances sustainability and operational efficiency for our esteemed client.





ICEBERG

MEMBRANE BIOREACTOR

160

powered by Urishilini™
PENTAQUA
 Regenerating water

KEY FEATURES

MODULAR DESIGN
 TREATMENT TECHNOLOGY
 AUTOMATION & CONTROL
 REMOTE MONITORING & CONTROL

BENEFITS

COMPLIANCE
 OPERATIONAL EFFICIENCY
 SUSTAINABILITY

Key Features:

- 1. Modular Design:** The integrated system is comprised of 9 containerized modules, each dedicated to specific wastewater treatment. This modular design allows for flexibility in installation and maintenance, ensuring minimal disruption to the hotel's operations.
- 2. Treatment Technologies:** The project employs sophisticated MBR and MBBR technologies, ensuring the efficient breakdown of contaminants and the production of high-quality treated water. This not only meets stringent regulatory standards but also contributes to the overall sustainability goals of the hotel.
- 3. Automation and Control:** The entire system is fully automatic and operated and monitored from a centralised user point with a touch screen interface. This streamlined control mechanism enhances ease of use and reduces the need for constant manual intervention.
- 4. Remote Monitoring and Control:** For added safety and flexibility, the system can be remotely monitored and controlled. This feature provides the client with real-time insights into the system's performance, allowing for quick response to any potential issues and ensuring continuous, uninterrupted operation.

Results and Benefits:

The tailored sewage treatment solution has brought about significant benefits for our esteemed client:

- **Compliance:** The system meets and exceeds regulatory standards for wastewater treatment, ensuring compliance with environmental regulations.
- **Operational Efficiency:** The automated and remote monitoring features contribute to increased operational efficiency, reducing the need for manual oversight and minimising downtime.
- **Sustainability:** By effectively treating and recycling kitchen and laundry wastewater, the system aligns with the client's sustainability goals, reducing the environmental impact of the hotel's operations.



Conclusion:

Our compact sewage treatment solution, designed specifically for a 5-star hotel in South Asia, stands as a testament to our commitment to innovation and sustainability. The integration of advanced technologies, modular design, and automation has resulted in a tailored solution that not only meets the client's unique requirements but also sets a benchmark for sewage treatment solutions in the hospitality industry. This successful export showcases the adaptability and effectiveness of our systems in addressing the diverse needs of luxury establishments worldwide. We look forward to sharing more milestones as we continue to contribute to sustainable and efficient wastewater treatment solutions.

The system was prepared for commissioning within a mere 7 days of its arrival at the site, leading to a notable level of customer satisfaction.

2022