



MYTEX CASE STUDY

Modernization of Municipal Wastewater
Treatment Plant in Bodrum, Turkey, with
MYTEX Retrofit

Customer's Problem

The municipal wastewater treatment plant in Bodrum, Turkey, faced the challenge of renewing its outdated membrane modules. The operator had to choose between expensive replacement parts (individual membrane plates) or purchasing completely new modules, which proved to be costly and could potentially impair the efficiency of the facility.

Solution Proposals

To reduce costs and improve the efficiency of the treatment plant, the MYTEX Retrofit was proposed as an economical alternative. This drop-in solution for plate and frame modules allowed for a gradual upgrade to the latest membrane technology with minimal cost and time investment. The MYTEX Retrofit required no additional retrofitting or adjustments to the control system and could leave the existing peripherals and control systems unchanged.



Results

After the implementation of the MYTEX Retrofit in the municipal wastewater treatment plant, significant results were achieved:

- ✓ The cost of replacement parts was significantly reduced as the MYTEX Retrofit offered a cost-effective alternative to expensive individual components.
- ✓ The time required for the retrofit was minimal, taking only 4 hours, which was faster than replacing all individual membrane plates or purchasing new modules.
- ✓ The capacity of the treatment plant was increased by 50%, from 320 to 480 m², while maintaining the same footprint. This capacity increase significantly improved the efficiency of the plant.
- ✓ The MYTEX Retrofit provided the latest and extremely robust module technology, which was indestructible in suction operation and featured a self-healing membrane.

Conclusion

The case study of the modernization of the municipal wastewater treatment plant in Bodrum, Turkey, with the MYTEX Retrofit illustrates the effectiveness of this solution as a cost-efficient and efficient alternative to replacing outdated membrane modules. By implementing the MYTEX Retrofit, the operator was able to reduce investment costs, minimize time investment, and significantly improve the performance of the treatment plant.



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