

**End user:** 4-star hotel in Budapest downtown

**Challenge:** outdated wastewater pumps and continuous clogging

**Solution:** 2 pcs Flygt Concertor N80 wastewater pumping system installation



## Flygt Concertor<sup>®</sup> intelligent wastewater pumping system for hotels

*The facility management of a 4-star hotel in Budapest downtown faced a serious issue. The wastewater pumps in the hotel were very old and outdated. Due to this the repair of the pumps was not possible as original spare parts were no longer available.*

### **The challenge**

The pumps were extremely overloaded as the lifting station was handling the waste-and grey water from the kitchen, restaurant, laundry, the toilets and shower cabins of the staff. However, there was no possibility to transport the wastewater by gravitation. There were two pumps instal-

led in the lifting station but in most of the cases only one was able to operate due to continuous failures.

Due to several modifications of the lifting station and the unpredictable rainwater inflow the exact duty point requirements were unknown. The frequent failures caused clogging and bad odors which disturbed the guests and

every day operation of the hotel. A quick and easy installation and start-up was extremely important for the hotel owner as there was no possibility to close out the lifting station from the system. The new pumps had to be adjusted to the existing station and easily accessible for future maintenance needs.

### The solution

The experts from Xylem have installed 2 pcs of Flygt Concertor N80 4 kW wastewater pumping system. The Flygt Concertor has an in-built intelligent control system designed specifically for Concertor and is neatly integrated in the head of the pump. This integrated intelligence utilizes the power electronics to achieve variable pump performance with patented software functionality written to ensure the optimum performance of the whole system. The advantage is that the control system, the super premium synchronous motor and the adaptive N-hydraulics work together in complete harmony for the maximum performance of the system. This ensures unmatched clog-free performance.

Flygt Concertor is capable of sensing the operating conditions of its environment, adapting its performance in real time and providing feedback to pumping station operators. With this new system, Xylem is now bringing smart and interconnected solutions to the world of wastewater pumping.

### Results

**As for the facility management's feedback the lifting station provides a trouble-free operation. Our customer have also noticed 50% energy saving.**

**Xylem offers 24 months clog-free guarantee for its Flygt Concertor system in Hungary**

**“Since we decided for Flygt Concertor system there is no clog in the lifting station which means radical savings in energy and also working hours.” - said the facility manager**



*Easy installation of Concertor*



*Xylem experts doing installations, service & maintenance*

**Information and technical support:**

[www.xylem.com](http://www.xylem.com)

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Let's Solve Water