

# KARÁD MUNICIPAL WWTP

Hungary

<b>SIZE OF WWTP</b>	380 m <sup>3</sup> /day (100 400 GPD)
<b>END USER</b>	Transdanubian regional water and wastewater utility provider, DRV Zrt.
<b>CUSTOMER</b>	KEVITERV PLUSZ Komplex Vaillakozasi Kft.
<b>START OF OPERATION</b>	September, 2015

## ISSUE

Prior to the construction of new wastewater treatment facilities in Karád, the client was looking for an effective sludge dewatering solution with low power consumption as well as small footprint.

## SOLUTION

After the detailed analysis and comparison with other manufacturers, the client chose our dehydrator MDQ-201. During the design stage, EKOTON specialists actively assisted in the development of sludge dewatering scheme.

## RESULTS

<b>TYPE OF SLUDGE</b>	Thickened mixture of primary sludge and waste activated sludge
<b>UNIT SLUDGE SUPPLY</b>	0.5-1.3 m <sup>3</sup> /h (2.2-5.7 GPM) 18-20 kg DS/h (40-44 lb DS/h)
<b>FEED SLUDGE DS CONCENTRATION</b>	1.5-4 %
<b>CAKE DS CONCENTRATION</b>	18-20 %
<b>OPERATION TIME</b>	6-8 h/d
<b>AVERAGE POLYMER DOSE</b>	3.5-4 g/kg DS (7-8 lb/ton DS)
<b>UNIT DAILY POWER CONSUMPTION</b>	5-6 kW*h

