



Amiad Water Systems

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**amiad**[®]
WATER SYSTEMS



Podsulova, Slovakia – the challenge and solution

The challenge/Problem:

The source of the water is a river with turbidity levels that exceed the standard (over 10 NTU) and therefore Amiad installed a system that can reduce the turbidity to less than 1 to meet the requirements drinking water standard.

The system is equipped with an automatic turbidity control that can cope with high loads by reducing flow in the system or in extreme cases even close it, but it cannot be that the system will provide water above the required standard.

And all this while maintaining the smallest floor space to save building costs and OPEX on the building heating.

The solution:

Application	Drinking water for a small city in Slovakia
Flow rate	150-380 GPM (35-86 m3/h)
First stage	EBS with 50 micron screen
Second stage	AMF370 with 3 micron screen
Amiad supply the System with:	Full control system System Pump Turbidity measuring instrument Dosing pumps and disinfection



Podsulova, Slovakia – results

The large difference on building size saves the customer a lot of money on CAPEX (building cost) and on the OPEX (to maintaining the building temperature)

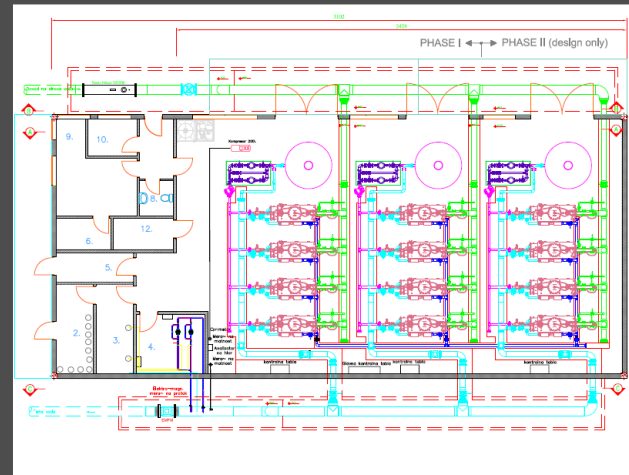
**New AMF
plant
building**

Start up - 2012



**Old sand
filter
building**

Gostivar Water Treatment Plant in Macedonia



Application	Drinking water
Flow rate	800 m ³ /h
Water source	Mountain river
Filtration system solution	8X AMF370 with 2 micron
Amiad supply the System with	Full control system Flushing Pumps

Thank you!