amiad INDUSTRY



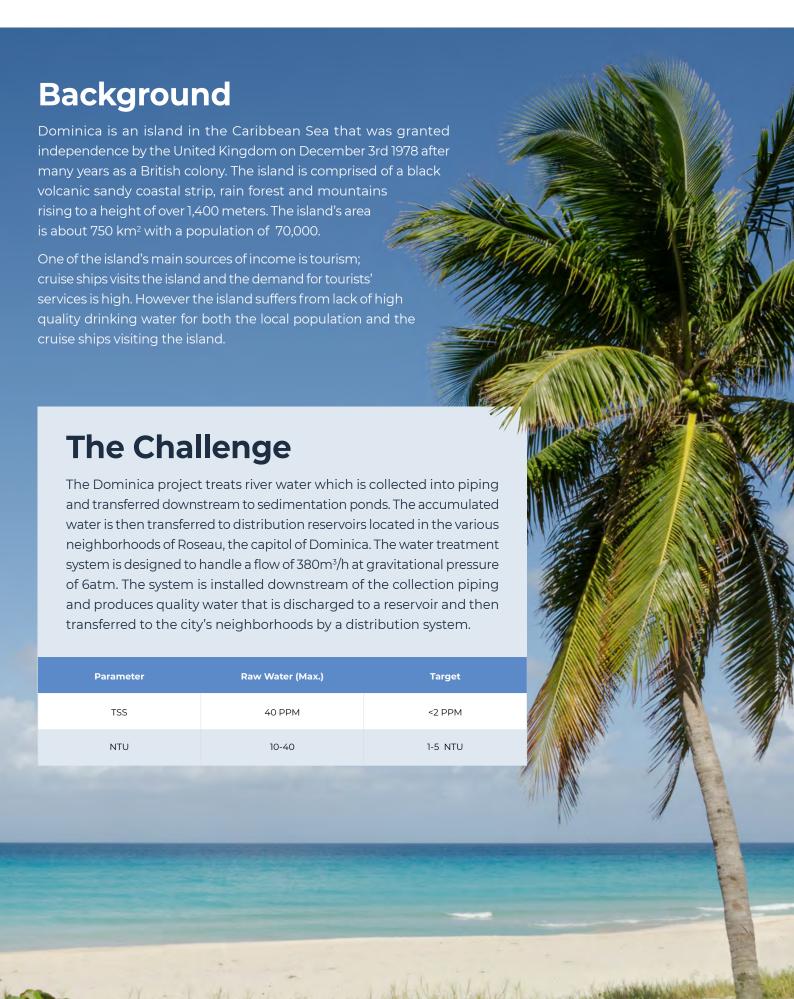
Dominica Island Project

Integrated treatment system for drinking water



MASTERS of FILTRATION





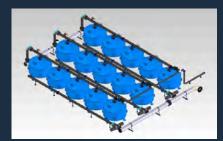


The Solution

Amiad designed and supplied an integrated water filtration system which combines three main stages of filtration and treatment, providing 22 hours of continuous operation cycle at a flow rate of 380 (m³/h) daily:



The first stage of filtration, designed to remove large suspended solids from the raw water, consists of a battery of SAF 6000 series automatic screen filters with 80 micron filtration degree and stainless steel screens.



The second filtration stage includes a battery of fifteen Amiad 60" granular filter units, installed in 3 rows of 5 filters each with 60cm bed height, and 25M/h high velocity filtration. The granular filters filtration media is anthracite, capable of removing 40% of the TSS load.



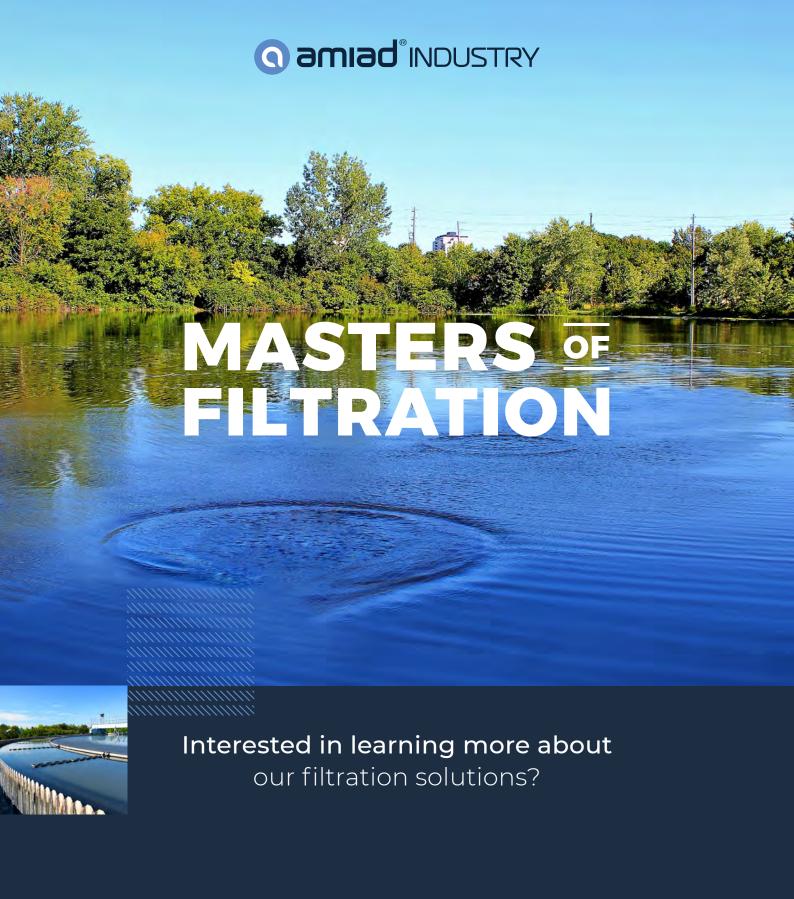
The main treatment stage consists of three AMF² 370K microfiber filters at 2 micron filtration degree.

The Results

Parameter	Raw Water (Max.)	Target	Resul't
TSS	40 PPM	<2 PPM	<1 PPM
NTU	10-40	1-5 NTU	0.45







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