

CASE STUDY

City Water Purification for Residential Building Use



**Background**

EuroTec ultrafiltration membranes can effectively remove suspended solids (particulates) and microorganisms, both of which may sometimes be present in certain municipal pipelines, for example, in the form of rust particles and bacteria respectively. This can be due to many reasons such as long distances between the water treatment plant and the eventual point-of-use, the local climate (temperature and humidity), old pipes and tanks, etc, resulting in the accumulation of contaminants by the time the water reaches its destination.

For the assurance of premium water quality, the property developer decided to install UF system to further purify the incoming city water to ensure the residential building can access to clean safe water supply.

**Solution**

EuroTec UF membranes and cartridge filter are installed at the point-of-entry to the residential building main influent pipeline. The water is then filtered by the UF before going to every tap in the building.

EuroTec durable PVDF UF membranes, along with the relatively less challenging feed water helps make the maintenance of the water treatment system easy and promotes long-lasting operation.

Plant Location: Vietnam  
Water Source: City Water  
Application: Water Purification  
Operational Start Date: 2019  
UF Capacity: 240 m<sup>3</sup>/d  
ETUF Module: ETUF-9060R  
No. of Modules: 4

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