

# CERAFILTEC®

## CLEAN WATER. EVERYWHERE.

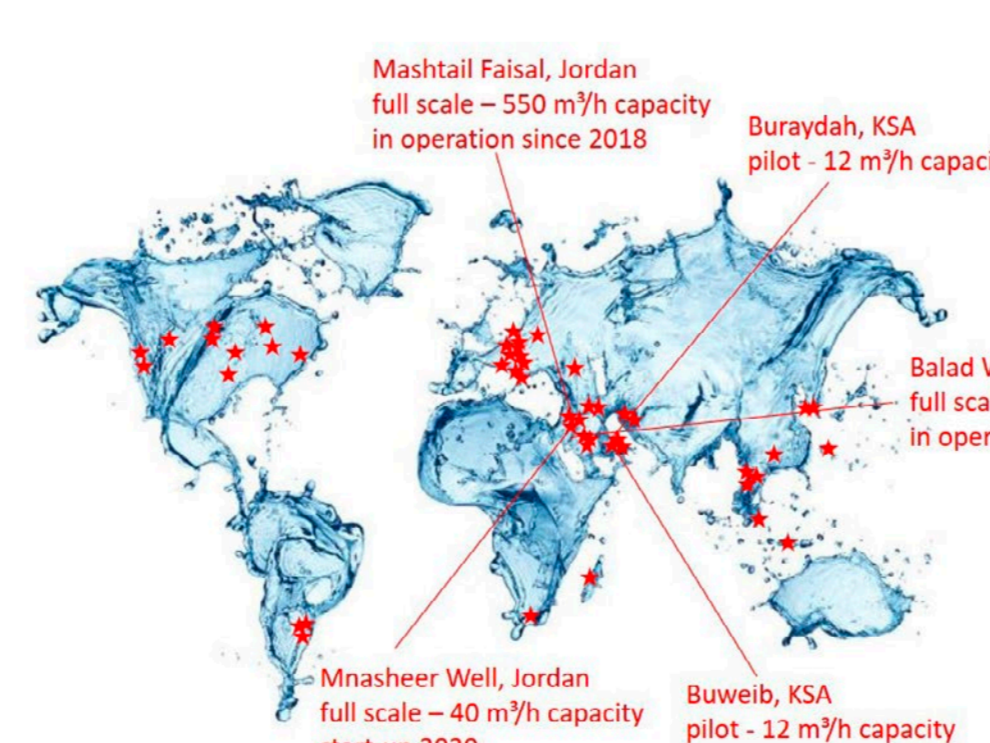


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## Treatment of brackish ground water in Middle East

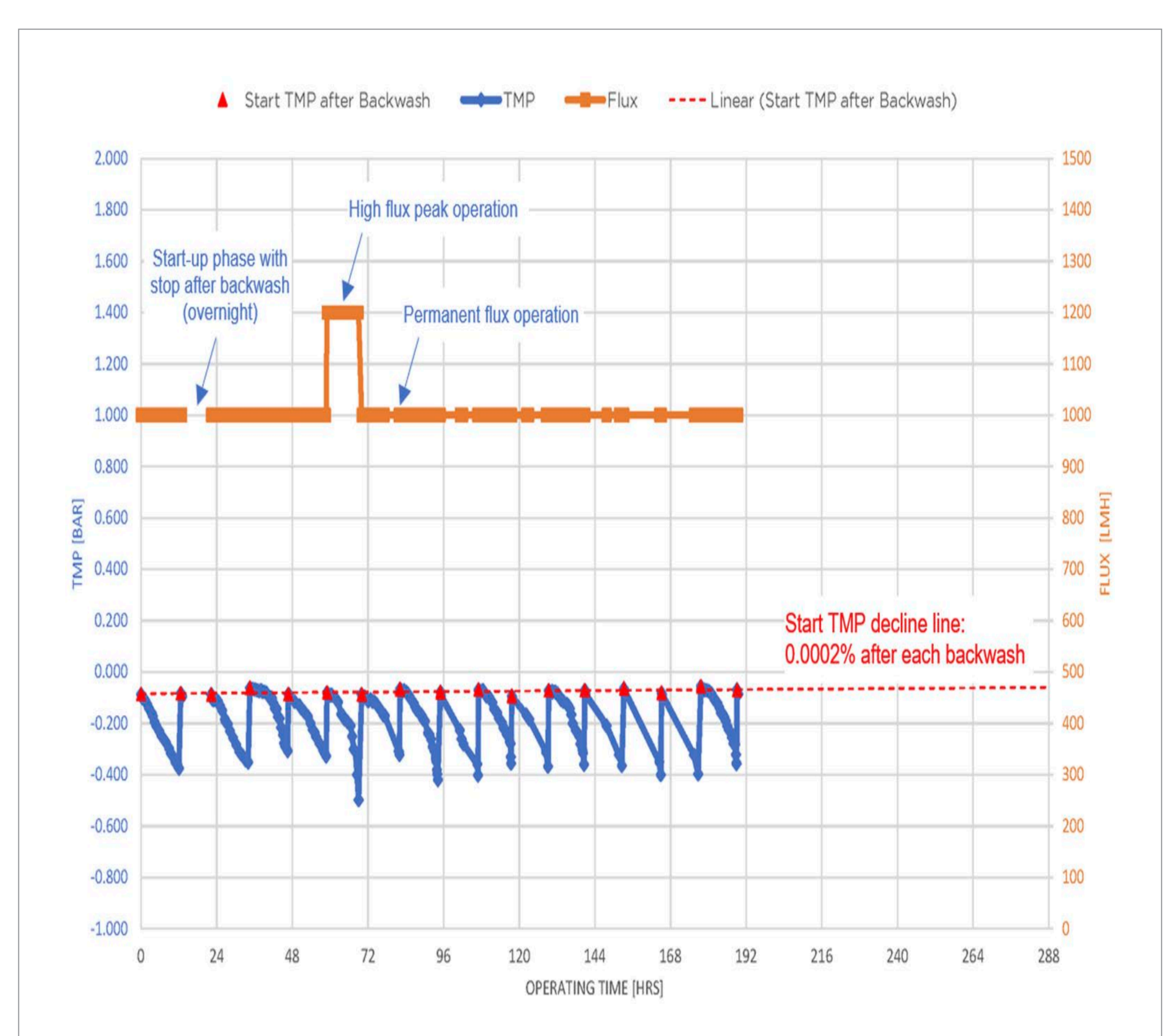
Brackish groundwater in Middle East region is characterized by very high temperature, high TDS levels and high hardness. Fluxes of > 1000 LMH for the treatment of this brackish water mark a technology breakthrough and were achieved due to:

- › Design of the module: Most modules are designed with small channels for the filtrate or single hoses on each membrane end cap resulting in high pressure losses at increased flux rates. The high flux module of CERAFILTEC® is specifically made for high flux applications.



More than 50 projects in 27 countries

- › Selection of the membrane material: Silicon Carbide (SiC) membranes are characterized by a very low water contact angle which qualifies a very high hydrophilicity. Thus, higher flux operation at lower filtration pressures are achieved.



Flux and filtration pressure, pilot site Buraydah