

Real-Time THM Data Support AGBAR's Commitment to Water Quality

BARCELONA, SPAIN

Since 2014, the AMS online **THM-100™** analyzers have enabled **Aigües de Barcelona** to identify rapid changes in water quality in real-time, optimize its treatment processes and reduce related expenses while ensuring THM regulatory compliance.

POPULATION
3M+



5 ANALYZERS
ONSITE



MONITOR
86+ MGD



[Aigües de Barcelona](#) provides drinking water to more than 3 million people across the Barcelona metropolitan area from their Sant Joan Despí Drinking Water Treatment Plant (DWTP), with a capacity of 4.5 cubic meters per second.

THM values at the Sant Joan Despí DWTP typically range from 10 to 25 µg/l; however, values can significantly increase up to 80-90 µg/l in remote zones of the 4,700 km pipeline throughout the distribution network.

THM fluctuations are dependent on the season of the year, the quality of the surface water, the quality of the additional water purchased from a supplier, and the residence time of water in the distribution network.

The frequency of laboratory sampling and analysis proved inadequate for AGBAR to understand the real-time THM levels within its water distribution system at any given moment. THM levels can range significantly, even within the same day, due to temperature, water demand, pumping schedules, climate changes, rain events and more.

Since 2014, ABGAR has been using real-time THM data from [Aqua Metrology System's](#) online THM analyzer ([THM-100™](#)) to manage disinfection byproducts (DBPs) within its extensive network.

The use of the online THM-100 analyzers has helped AGBAR to optimize its treatment processes, assist in monitoring water quality at handover points from their water supplier and reduce related expenses while ensuring DBP regulatory compliance.