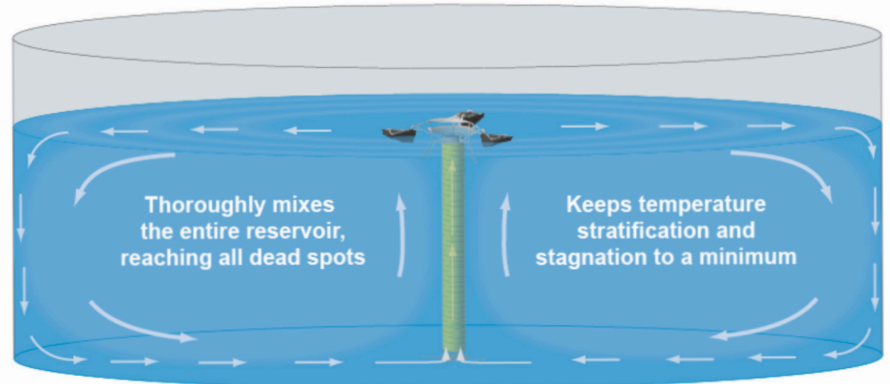
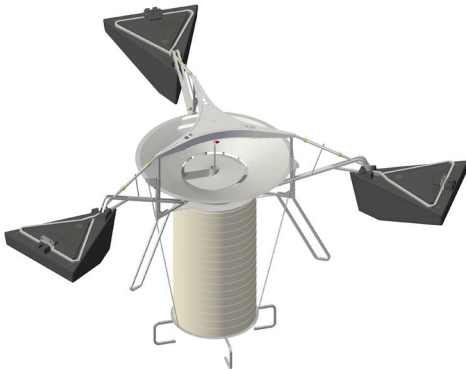


# Medora Corporation Potable Tank Mixing

Middle East

Topics: Middle East, potable, mixing, stratification, water age



GridBee® GF10000PW (left) was deployed in a ground storage tank (depiction on right).

**Customer:** Contact information withheld by request.

**Overview:** This is a large potable water storage system in the Middle East, with eight above-ground concrete tanks. Each tank is 30MG capacity and is 140m in diameter, 7m high.

**Conditions / Objectives:** Due to temperatures averaging between 38° C (100° F) and 43° C (110° F) from mid-May through mid-September, water in the tanks was extremely stratified. As a result, water age was inconsistent and high throughout areas of the tank, and disinfectant residual was not consistent.

**Solution:** Two (2) GF10000PW mixers were placed in each of eight ground storage tanks, for a total of sixteen (16) mixers. Deployment Date: April and May 2013.

**Results:** For about six weeks in May and June 2014, a temperature probe study was conducted to determine the effectiveness of the GridBee GS10000PW mixers. Prior to beginning the study, temperature stratification was ranging up to 5° C from the surface to the bottom of the tank. Almost immediately after turning the GridBee mixers on, temperatures converged to within 1° C. After several weeks of continuous mixing, temperatures further converged to about 1/2° C. See data chart below.

