

Case Study: Southern Greece 2nd WWTP

| Case Study | SOUTHERN GREECE W.W.T.P 2 |
|-----------------------|----------------------------|
| Location | Southern Greece |
| Target | Sludge Elimination |
| Population Equivalent | 180,000 |
| Flowrate | 38,000 m ³ /day |
| Treated wastewater | Municipal |
| Project Initiation | 01/2015 |



BIO-ENVIRONMENTAL
innovative hydro solutions

| Parameter | Units | Input (Average) | SLUDGE PRODUCTION BEFORE ton/day | SLUDGE PRODUCTION AFTER ton /day | Reduction |
|------------------|----------|--------------------|--|--|-----------|
| Suspended Solids | mg/litre | 400 | 30 – 35 | 0 | 100 % |
| COD | mg/litre | 500 | | | |
| TN | mg/litre | 85 | | | |
| TP | mg/litre | 20 | | | |

Comments & Results

- ☐ The total reduction of excess sludge occurred with the anaerobic digestion stage not in operation
- ☐ The odour problem was totally solved
- ☐ The SVI values in the sedimentation tanks have been improved