

Project: Burj Dubai Development, Lake Water Filtration  
Year : 2009  
City: Dubai, UAE  
Client: EMAAR

Contractor: Veolia Water  
Consultant: Hyder  
Products: AFP Series ABS Submersible Sewage Pumps

### Introduction

A significant centre piece of the Burj Dubai development is the 30-acre Burj Dubai Lake within the Downtown district. Located in between the world's tallest building, the Burj Dubai, and The Dubai Mall, one of the largest shopping and entertainment destinations to be found, the lake also contains the Dubai Fountain which, with a length of 900 ft, and spraying water 50 storeys high, is one of the planet's biggest water features.

### Products & Application

Ahmed Ramadhan Juma supplied and commissioned 8, 30 kW AFP ME series pump and 8, 9 kW AFPK series pumps for the Burj Dubai Development Lake Water Filtration Plant.

The water-tight fully flood-proof motor and pump form a particularly compact and robust unit that comprises a water pressure sealed connection chamber, with two stage cable entry protected against excessive cable tension and bending. The pumps also benefit from bimetallic thermal sensors in the stator that open at 140°C, as well as maintenance-free blockage and a maintenance-free internal closed looped cooling system. A separation chamber contains a sensor for moisture protection to indicate any form of water leakage. The pumps are manufactured in Germany and the Republic of Ireland.



First in Pumping Systems for Water Technology