

SEAWATER DESALINATION AND POWER PLANTS OIL SPILL PROTECTION SYSTEMS



Oil Stop has an extensive successful record of designing, manufacturing, delivering and installing permanent and emergency response oil spill protection packages to water desalination and power plants in the Middle East.

United Arab Emirates

Dubai Electric and Water Authority (DEWA)



“L” Station Intake Channel Oil Spill Protection. This was a 4-tier supply and installation. 1. At the head of the breakwater channel opening a continuous length of Oil Stop SFB-42 oil spill containment boom was permanently installed. This was combined with a floating net to trap suspended oil and to aid in marine life exclusion from the channel. 2. At the trash screen structure, another permanent containment boom, SFB-36 was installed. 3. Inside the facility, at the final pumping station structure, a third set of Oil Stop boom was permanently installed. 4. Finally, a complete package of emergency oil spill response equipment was provided. This package included response containment booms on a trailer, several sizes and types of oil skimmers, temporary liquid storage tanks, and disposable oil adsorbents and shoreline cleanup equipment. The package also included a custom built emergency response boat.



“K” Station Offshore Intake Protection. At DEWA’s K Station, the seawater intake was a submerged offshore structure. Although “submerged” it was still exposed to oil spill risks. Oil Stop delivered and supervised the installation of its Husky Mark 36 Permanent Boom around the structure. The application was very exposed to the elements of wind, waves, and currents, so the installation design was very demanding.



Fujairah Water and Power was another offshore intake structure. Here Oil Stop installed three rings of a custom designed SFB 48 containment boom that incorporated a suspended net. After a series of severe storms damaged the system, it was replaced with Husky Mark 48 and the net was set off with its own independent support.



Saudi Arabia

Saline Water Conversion Corporation (SWCC)

SWCC's Jubail desalination plant is the largest in the world. For the past 20 years, SWCC has specified Oil Stop's Inflatable oil spill containment boom for its intake channel protection. The boom is stationed on the end of long man-made breakwater, and is rapidly deployed in the event of a pollution threat. In 2013, Oil Stop will deliver its fourth package to SWCC for their oil spill protection plan.

