PROJECT DESCRIPTION:
Zubair oil field is located in southern Iraq, approximately 20 km southwest of the city of Basrah. The onshore oil field, discovered by Basrah Petroleum Company in 1949, contains 4.5 billion barrels of proven reserves.

The field is being redeveloped by a consortium comprising of Eni (32.81%), Oxy (23.44%), KOGAS (18.75%) and Missan Oil Company (25%). The consortium was awarded the field license in October 2009 for a period of 25 years.

Eni, which has the biggest share in the consortium, started operating the oil field in early 2010. The field currently produces about 200,000 barrels of oil per day. The redevelopment project is expected to increase the field’s production capacity to 1.2 million barrels of oil per day by 2016.

COATING SELECTION EXPLANATION:
Protective coating - External & Internal for 21 carbon steel tanks

Zubair Oil Field Development Project

LOCATION: Basra, Iraq
DATE OF APPLICATION: September 2015
MARKET: Oil & Gas Upstream
TYPE: New Construction
OWNER: Ministry of Oil Iraq
PROJECT SIZE: 64,000 Meters Squared
### Zubair Oil Field Development Project

<table>
<thead>
<tr>
<th>AREA COATED</th>
<th>SUBSTRATE: Ferrous Metal (Carbon Steel)</th>
<th>EXPOSURE: Exterior Weathering - severe industrial - seacoast and chemical environment</th>
<th>SURFACE PREP: Per Product Data Sheet</th>
<th>PRODUCTS: Carbomastic 90, Carboguard 893</th>
</tr>
</thead>
</table>

### AREA COATED: Crude Oil Storage Tank - Exterior

| SUBSTRATE: Ferrous Metal (Carbon Steel) | EXPOSURE: Exterior Weathering - severe industrial - seacoast and chemical environment | SURFACE PREP: Per Product Data Sheet | PRODUCTS: Carbomastic 90, Carboguard 893 |

### AREA COATED: Crude Oil Storage Tank - Lining

| SUBSTRATE: Ferrous Metal (Carbon Steel) | EXPOSURE: Immersion, Chemical | SURFACE PREP: Per Product Data Sheet | PRODUCTS: Bitumastic 300 M |

### AREA COATED: Fire Water Tank - Exterior

| SUBSTRATE: Ferrous Metal (Carbon Steel) | EXPOSURE: Exterior Weathering - severe industrial - seacoast and chemical environment | SURFACE PREP: Per Product Data Sheet | PRODUCTS: Carbozinc 11, Thermaline 4900 |

### AREA COATED: Fire Water Tank - Lining

| SUBSTRATE: Ferrous Metal (Carbon Steel) | EXPOSURE: Immersion, Chemical | SURFACE PREP: Per Product Data Sheet |

### AREA COATED: Treated Produced Water Tank; Service Water Tank; Wash Water Tank

| SUBSTRATE: Ferrous Metal (Carbon Steel) | EXPOSURE: Exterior Weathering - severe industrial - seacoast and chemical environment | SURFACE PREP: Per Product Data Sheet | PRODUCTS: Carbomastic 90, Carboguard 893 |

### AREA COATED: Treated Produced Water Tank, Wash Water Tank - Linings

| SUBSTRATE: Ferrous Metal (Carbon Steel) | EXPOSURE: Immersion, Chemical | SURFACE PREP: Per Product Data Sheet | PRODUCTS: Phenoline 187 VOC |