

## List of Major Mechanical Turnaround Shutdowns

| S.No | Name of Job  | Client   | Type of Plant            | Period                           | Approx. Mobilized Manpower  |
|------|--|--|--------------------------|----------------------------------|---|
| 1    | Oman Methanol Company Turnaround<br>2019 with M/s. Bahwan Engineering<br>Company, Oman   | омс  | Petro Chemical<br>Plant  | Mar -2019<br>( Awarded)          | 465 S/D Personnel ( Mechanical Static<br>Equipment's)                           |
| 2    | ADNOC Refinery Turnaround 2019 with<br>M/s. ISCCO , Abu Dhabi  | ADNOC  | Refinery                 | Jan – Apr 2019<br>(On Going)     | 1130 S/D Personnel ( Mechanical Stati<br>Equipment's , Piping and Installation) |
| 3    | Maintenance support services for PS2 &<br>PS3 Offshore Shutdowns 2018 with M/s.<br>Doha Petroleum Construction Company<br>(DOPET), Qatar   | Qatar Petroleum  | Offshore<br>Platform     | Feb – Apr 2018                   | 250 S/D Personnel ( Mechanical Stati<br>Equipment's)                            |
| 4    | Qatar Petroleum RFCC & Crude Refinery<br>Shutdown 2018 with M/s. Doha<br>Petroleum Construction Company<br>(DOPET), Qatar  | Qatar Petroleum  | Refinery                 | Jan-Mar 2018                     | 3600 S/D Personnel ( Mechanical Stati<br>Equipment's , Piping and Installation) |
| 5    | ORPIC MAF Refinery Shutdown 2017<br>With M/s. Special Technical Services<br>(STS), Oman  | ORPIC  | Refinery                 | Oct- Nov 2017                    | 770 S/D Personnel ( Mechanical Static<br>Equipment's)                           |
| 6    | Equate EG-1 & ASP Shutdown 2016 at<br>Kuwait With M/s. Special Technical<br>Services (STS), Oman   | EQUATE   | Petro Chemical<br>Plant  | Dec-16                           | 450 S/D Personnel (Mechanical Static<br>Equipment's)                            |
| 7    | Shutdown of GASCO Train 1&2 NGL Plant<br>- Ruwais 2016 with M/s. Integrated<br>Specialized Gen. Cont. Co. W.L.L (ISSCO),<br>Abu-Dhabi  | Abu Dhabi Gas<br>Industries Limited<br>(GASCO)                           | Natural Gas<br>Liquids   | Apr-16                           | 450 S/D Personnel (Mechanical Static<br>Equipment's)                            |
| 8    | Shutdown of GASCO Train 3 NGL Plant -<br>Ruwais 2016with M/s. Integrated<br>Specialized Gen. Cont. Co. W.L.L (ISSCO),<br>Abu-Dhabi   | Abu Dhabi Gas<br>Industries Limited<br>(GASCO)                           | Natural Gas<br>Liquids   | Mar-16                           | 450 S/D Personnel (Mechanical Static<br>Equipment's)                            |
| 9    | Takreer Refinery Static Equipment<br>Turnaround 2016. Greeen Diesel Plant<br>(GDP) With Qatar Engineering &<br>Construction Co. WLL (Q CON), Abu-Dhabi                           |  | Refinery                 | February 2016 - April<br>2016    | 1130 S/D Personnel's (Mechanical<br>Static Equipment's)                         |
| 10   | Mechanical Works & Tray Installation for<br>EPCC-2, CDU, LPG, AMINE, LPG MEROX &<br>PRU Revamp Works during ORPIC Major<br>Shutdown 2016 with M/s L&T Heavy<br>Engineering, Oman | Oman Oil<br>Refineries and<br>Petroleum<br>Industries<br>Company (ORPIC) | Refinery                 |                                  | 400 S/D Personnel (Mechanical<br>Manpower, Piping and Installation)             |
| 11   | Static Equipment Turnaround 2016, Sohar  | Oman Oil   | Refinery                 | February 2016 - April<br>2016    | 400 S/D Personnel (Mechanical<br>Manpower)                                      |
| 12   | GASCO Train -SRU 59 & 45 Units Ruwais,<br>Shutdown 2015. M/s. Integrated<br>Specialized Gen. Cont. Co. W.L.L (ISSCO),<br>Abu-Dhabi   | Abu Dhabi Gas<br>Industries Limited<br>(GASCO)                           | Natural Gas<br>Liquids   | November 2015 -<br>December 2015 | 120 S/D Personnel (Mechanical Static<br>Equipment's, Rotating)                  |
| 13   | Qatar Pertrochemical Company (QAPCO)<br>Qatafin & LDPE-2 Plants Shutdown and<br>Maintenancewith JV contractor Doha<br>Petroleum Company (DOPET)                                  | Qatar<br>Petrochemical<br>Company  | Petrol Chemical<br>Plant | Feb 2015 - March<br>2015         | 200 Shutdown Personnel's (Static<br>Equipment's)                                |

| ## | Name of Job  | Client  | Type of Plant                | Period                        | Approx. Mobilized<br>Manpower  |
|----|--|---|------------------------------|-------------------------------|--|
| 14 | March – April 2015, Maintenance Support<br>Services for Shutdown at North Field Alpha,<br>PS4 Platform Qatar (Repeat Order From Year<br>2005) with JV contractor Doha Petroleum<br>Company (DOPET) | Qatar Petroleum<br>P4<br>OFFSHORE<br>Platform             | Offshore Platform            | April 2015 - May 2015         | 350 Shutdown<br>Personnel (Mechanical<br>,Piping, Electrical &<br>Instrumentation<br>Manpower) |
| 15 | Feb - March 2015 QAPCO Plant Turnaround<br>Maintenance at Qatar with JV contractor Doha<br>Petroleum Company (DOPET)   | Qatar Petroleum<br>QAPCO                                  | Petrochemical Plant          | January 2015 - March<br>2015  | 280 S/D Personnel<br>(Mechanical, E&I<br>Manpower)   |
| 16 | May 2014 Emergency Shutdown for Flare Tip<br>change out and Miscellaneous Jobs at GAS<br>Recycling Plant (Qatar Petroleum – Dukhan)<br>with JV Contractor M/s. Doha Petroleum<br>Company (DOPET)   | Qatar Petroleum<br>Dukhan Fields                          | Degassing Plant              | May 2014<br>(7 Day shutdown)  | 30 Shutdown Personnel<br>(Mechanical Manpower  |
| 17 | April 2014 Salalah Methanol Plant (SMC)<br>Turnaround Maintenance in association with<br>M/s. Special Technical Services, (STS), Oman  | Salalah Methanol<br>Plant, Oman                           | Methanol Plant               | April 2014                    | 620 Shutdown<br>Personnel (Mechanical<br>,Piping, Electrical &<br>Instrumentation<br>Manpower) |
| 18 | March 2014 GASCO Train -3 Shutdown, Glass<br>Flake Lining Repair of Cooling Water Line in<br>association with M/s. Integrated Specialized<br>Gen. Cont. Co. W.L.L (ISSCO), Abu-Dhabi               | GASCO, Train -3<br>Ruwais                                 | Natural Gas Liquids          | March 2014                    | 70 Shutdown Personnel<br>(Mechanical & Piping<br>Manpower)                                     |
| 19 | March 2014 Turnaround Maintenance works at<br>NGL1, Mesaieed, Qatar with JV contractor<br>Doha Petroleum Company (DOPET)   | Qatar Petroleum<br>NGL 1                                  | Natural Gas Liquids          | March 2014<br>&<br>April 2014 | 800 S/D Personnel<br>(Mechanical, E&I<br>Manpower)   |
| 20 | Feb - March 2014 QAPCO Plant Turnaround<br>Maintenance at Qatar with JV contractor Doha<br>Petroleum Company (DOPET)   | Qatar Petroleum<br>QAPCO                                  | Petrochemical Plant          | Feb 2014<br>&<br>March 2014   | 950 S/D Personnel<br>(Mechanical, E&I<br>Manpower)   |
| 21 | June 2013 Qatar Petroleum Offshore Platform<br>P2 Turnaround Maintenance works with JV<br>Contractor Doha Petroleum Company (DOPET)  | Qatar Petroleum<br>P2 OFFSHORE<br>Platform                | Offshore Process<br>Platform | May 2013<br>&<br>June 2013    | 300 S/D Personnel<br>(Mechanical, E&I<br>Manpower)   |
| 22 | May 2013 Qatar Petroleum Offshore Platform<br>P3 Turnaround Maintenance works with JV<br>Contractor Doha Petroleum Company (DOPET)   | Qatar Petroleum<br>P3 OFFSHORE<br>Platform                | Offshore Process<br>Platform | April 2013 &<br>May 2013      | 300 S/D Personnel<br>(Mechanical, E&I<br>Manpower)   |
| 23 | ORPIC Aromatic Unit Turnaround Maintenance<br>works with main contractor Special Technical<br>Services, (STS) Oman   | Oman Refineries<br>and Petroleum<br>Industries<br>Company | Aromatic                     | March 2013<br>&<br>April 2013 | 110 S/D Personnel<br>(Mechanical, E&I<br>Manpower)   |
| 24 | ORPIC Polypropylene Unit Turnaround<br>Maintenance works with main contractor<br>Special Technical Services,(STS) Oman   | Oman Refineries<br>and Petroleum<br>Industries<br>Company | Polypropylene                | March 2013<br>&<br>April 2013 | 110 S/D Personnel<br>(Mechanical, E&I<br>Manpower)   |
| 25 | March 2013 Turnaround Maintenance works at<br>NGL2, Mesaieed, Qatar with JV contractor<br>Doha Petroleum Company (DOPET)   | Qatar Petroleum<br>NGL 2                                  | Natural Gas Liquids          | March 2013<br>&<br>April 2013 | 1050 S/D Personnel<br>(Mechanical, E&I<br>Manpower)  |
| 26 | GASCO Train -2, Ruwais, Shutdown with main<br>contractor Integrated Specialized Gen. Cont.<br>Co. W.L.L (ISSCO), Abu-Dhabi   | GASCO, Train - 2<br>Ruwais                                | Natural Gas Liquids          | February 2013 &<br>March 2013 | 450 S/D Personnel<br>(Mechanical, E&I<br>Manpower)   |
| 27 | Mina Al Fahail Refinery (a Oman Refineries and<br>Petrochemicals Company) turnaround with<br>main contractor Special Technical Services,<br>Oman   | Oman Refineries<br>and Petroleum<br>Industries<br>Company | Refinery                     | March 2012 &<br>April 2012    | 980 S/D Personnel<br>(Mechanical, E&I<br>Manpower)   |

| ## | Name of Job   | Client  | Type of Plant                | Period                               | Approx. Mobilized Manpower  |
|----|---|---|------------------------------|--------------------------------------|---|
| 28 | 2012 Turnaround Maintenance work at<br>NGL4, Mesaieed, Qatar with JV<br>contractor Doha Petroleum Company<br>(DOPET)  | Qatar Petroleum<br>NGL 4                                  | Natural Gas Liquids          | February 2012<br>&<br>April 2012     | 1050 S/D Personnel (Mechanical, E&I<br>Manpower)  |
| 29 | ENOC Processing Company LLC.,T&I with<br>main contractor Adyard-Topaz, Abu-<br>Dhabi.   | ENOC Processing<br>Company LLC                            | Petro Chemical<br>Plant      | October 2011<br>&<br>December 2011   | 630 S/D Personnel (Mechanical, E&I<br>Manpower)   |
| 30 | Turnaround Shutdown for QAFCO in<br>Ammonia - 2 and Urea - 2 Plants with JV<br>contractor Doha Petroleum Company<br>(DOPET)   | Qatar Petroleum,<br>QAFCO                                 | Fertilizer Plant             | February 2011<br>&<br>March 2011     | 150 S/D Personnel (Mechanical, E&I<br>Manpower)   |
| 31 | Turnaround Maintenance work of<br>Fahahil North Gas Lift Compressor<br>Station in Dukhan, Qatar with JV<br>contractor Doha Petroleum Company<br>(DOPET)   | Qatar Petroleum,<br>Dukhan                                | Degassing Plant              | September 2010<br>&<br>November 2010 | 300 S/D Personnel (Mechanical, E&I<br>Manpower)   |
| 32 | Maintenance Support Services for<br>Shutdown at North Field Alpha, PS4<br>Platform Qatar (Repeat Order From Year<br>2005) with JV contractor Doha<br>Petroleum Company (DOPET)  | Qatar Petroleum<br>P4<br>OFFSHORE<br>Platform             | Offshore Process<br>Platform | April 2010<br>&<br>May 2010          | 650 S/D Personnel (Mechanical, E&I<br>Manpower)   |
| 33 | Static Equipment Turnaround 2010,<br>Sohar Refinery with main contractor<br>Special Technical Services, (STS) Oman  | Oman Refineries<br>and Petroleum<br>Industries<br>Company | Refinery                     | February 2010<br>&<br>March 2010     | 1500 S/D Personnel (Mechanical<br>Manpower)   |
| 34 | Turnaround Shutdown for Maintenance<br>Works at QP Refinery – RFCC &<br>Condensate Refinery Utilities, Mesaieed,<br>Qatar (Repeat Order From Year 2001<br>Onwards) with JV contractor Doha<br>Petroleum Company (DOPET) | Qatar Petroleum<br>Condensate &<br>RFCC                   | Refinery                     | October 2009<br>&<br>December 2009   | 3300 S/D Personnel (Total Manpower<br>incl. Mechanical, E&I, Civil, Piping,<br>Scaffolding etc) |
| 35 | Turnaround Shutdown for Maintenance<br>Works at QP Refinery - Crude, Refinery 1<br>& 2 & Utilities (Repeat Order From Year<br>1993 Onwards) with JV contractor Doha<br>Petroleum Company (DOPET)                        | Qatar Petroleum,<br>Refinery                              | Refinery                     | March 2009<br>&<br>May 2009          | 2600 S/D Personnel (Total Manpower<br>incl. Mechanical, E&I, Civil, Piping,<br>Scaffolding etc) |
| 36 | GASCO Plant Shutdown, Ruwais & Asab -<br>Abudhabi, UAE with main contractor<br>Transfield Abu-Dhabi   | GASCO Ruwais &<br>Asab                                    | Gas Plant                    | January 2009<br>&<br>February 2009   | 850 S/D Personnel (Mechanical<br>Manpower)  |
| 37 | Train 5 Plant Shutdown, RASGAS<br>Shutdown Support Contract with JV<br>contractor Doha Petroleum Company<br>(DOPET)   | RASGAS  | Degassing Plant              | May 2008<br>&<br>June 2008           | 550 S/D Personnel (Mechanical, E&I<br>Manpower)   |
| 38 | Train 1 & 2 & GTG RASGAS Plant<br>Shutdown Support Contract with JV<br>contractor Doha Petroleum Company<br>(DOPET)   | RASGAS  | Degassing Plant              | April 2008<br>&<br>June 2008         | 550 S/D Personnel (Mechanical, E&I<br>Manpower)   |
| 39 | Shutdown Maintenance Works at Arab-D<br>Plant, Dukhan Fields with JV contractor<br>Doha Petroleum Company (DOPET)   | Qatar Petroleum<br>Dukhan                                 | Degassing Plant              | March-08                             | 1300 S/D Personnel(Total Manpower<br>incl. Mechanical, E&I, Civil, Piping,<br>Scaffolding etc)  |

| ## | Name of Job  |                                      | Type of Plant                                 | Period                              | Approx. Mobilized Manpower  |
|----|--|--------------------------------------|---|-------------------------------------|---|
| 40 | AKG-1 Plant Shutdown(Al Khaleej Plant),<br>RasGas, Ras Laffan, Qatar with JV contractor<br>Doha Petroleum Company (DOPET)  | RASGAS                               | LNG Plant                                     | February 2008                       | 950 S/D Personnel (Total<br>Manpower incl. Mechanical, E&I,<br>Piping, Scaffolding etc)             |
| 41 | Support Services for QAFCO Plant Shutdown<br>with JV contractor Doha Petroleum Company<br>(DOPET)  | Qatar Fertilizer                     | Fertilizer Plant                              | November -07                        | 325 S/D Personnel (Mechanical<br>Manpower)  |
| 42 | RASGAS Train 3 Shutdown with JV contractor<br>Doha Petroleum Company (DOPET)   | RASGAS                               | LNG Plant                                     | June 2007<br>&<br>July 2007         | 250 S/D Personnel (Mechanical,<br>E&I Manpower)   |
| 43 | Shutdown Maintenance Works at QAPCO<br>Plant, Qatar with JV contractor Doha<br>Petroleum Company (DOPET)   | Qatar Petroleum                      | Petrochemical<br>Plant                        | January 2007<br>&<br>March 2007     | 325 S/D Personnel (Mechanical<br>Manpower) Main Contractor<br>(Mechanical Work Support<br>Services) |
| 44 | RASGAS Train 1 & 2 Shutdown with JV<br>contractor Doha Petroleum Company (DOPET)   | RASGAS                               | LNG Plant                                     | June 2006<br>&<br>July 2006         | 725 S/D Personnel (Total<br>Manpower incl. Mechanical, E&I,<br>Piping, Scaffolding etc)             |
| 45 | Shutdown Work at Fahahil North Gas Lift<br>compressor Station and TEG Units at KN, KS,<br>FM and JM in Dukhan Fields, Qatar with JV<br>contractor Doha Petroleum Company (DOPET) | Qatar Petroleum                      | Degassing Plant                               | April 2006<br>&<br>June 2006        | 1400 S/D Personnel (Total<br>Manpower incl. Mechanical, E&I,<br>Piping, Scaffolding etc)            |
| 46 | Shutdown Works at Fahahil Stripping Plant,<br>Qatar with JV contractor Doha Petroleum<br>Company (DOPET)   | Qatar Petroleum                      | Degassing Plant                               | April 2006<br>&<br>June 2006        | 1200 S/D Personnel (Total<br>Manpower incl. Mechanical, E&I,<br>Piping, Scaffolding etc)            |
| 47 | Maintenance Support Services for Shutdown<br>at North Field Alpha, PS4 Platform Qatar with<br>JV contractor Doha Petroleum Company<br>(DOPET)                                    | Qatar Petroleum<br>OFFSHORE PLATFORM | Offshore<br>Process                           | December 2005<br>&<br>January 2006  | 650 S/D Personnel (Mechanical,<br>E&I Manpower)   |
| 48 | Shutdown Works at Fahahil North Field Gas<br>Re Injection Station, Dukhan Fields, Qatar<br>with JV contractor Doha Petroleum Company<br>(DOPET)                                  | Qatar Petroleum                      | Degassing Plant                               | November 2005<br>&<br>December 2005 | 1100 S/D Personnel (Total<br>Manpower incl. Mechanical, E&I,<br>Piping, Scaffolding etc)            |
| 49 | Turnaround Shutdown for Maintenance<br>Works at QP Refinery - Crude, Refinery, RFCC,<br>& Utilities with main contractor Doha<br>Petroleum Company (DOPET)                       | Qatar Petroleum                      | Refinery                                      | March 2005<br>&<br>August 2005      | 1800 S/D Personnel (Mechanical,<br>E&I Manpower)  |
| 50 | Living Quarters Up gradation PS-2 &3 Process<br>Platform at Qatar offshore with main<br>contractor Doha Petroleum Company (DOPET)  | Qatar Petroleum<br>OFFSHORE PLATFORM | Offshore<br>Platform<br>(Electrical<br>Works) | October 2004<br>&<br>August 2005    | 750 S/D Personnel (Electrical,<br>Instrumentation and Mechanical<br>Manpower)                       |
| 51 | RasGas Train 1 & 2 Shutdown , Ras Laffan<br>,Qatar with main contractor Doha Petroleum<br>Company (DOPET)  | RASGAS                               | LNG Plant                                     | June 2004<br>&<br>July 2004         | 500 S/D Personnel (Mechanical,<br>E&I Manpower)   |

| ## | Name of Job  |   | Type of Plant                         | Period                              | Approx. Mobilized Manpower                           |
|----|--|---|---------------------------------------|-------------------------------------|--|
| 52 | Maintenance Works at QP<br>Refinery (Condensate Unit ) with main<br>contractor Al-Muftah Contracting<br>Company, Qatar   | Qatar Petroleum                         | Refinery                              | May 2004<br>&<br>June 2004          | 550 S/D Personnel (Mechanical,<br>E&I Manpower)      |
| 53 | QAFAC Plant Shutdown Works with main<br>contractor Al-Muftah Contracting<br>Company, Qatar   | Qatar Fuel Additives<br>Company Limited | Fuel Additives<br>Plant               | Dec-04                              | 300 S/D Personnel (Mechanical,<br>E&I Manpower)      |
| 54 | FCC Unit Shutdown in QP Refinery at<br>Doha, Qatar with main contractor Al-<br>Muftah Contracting Company, Qatar   | Qatar Petroleum                         | Refinery                              | Aug-03                              | 110 S/D Personnel (Mechanical,<br>E&I Manpower)      |
| 55 | Plant Maintenance Shutdown Works at<br>NGL Plant-2 with main contractor Al-<br>Muftah Contracting Company, Qatar   | Qatar Petroleum<br>OFFSHORE PLATFORM    | NGL Plant                             | May 2003<br>&<br>June 2003          | 650 S/D Personnel (Mechanical,<br>E&I Manpower)      |
| 56 | Shutdown Works at Khatiyah M, N & S in<br>Dukhan Fields with main contractor Al-<br>Muftah Contracting Company, Qatar  | Qatar Petroleum                         | Degassing Plant                       | April 2003<br>&<br>May 2003         | 400 S/D Personnel (Mechanical,<br>E&I Manpower)      |
| 57 | Overall Shutdown of NODCO Refinery,<br>Mesaieed, Qatar with main contractor Al<br>Muftah Hadi Hamman Co. W.L.L, Qatar  | Qatar Petroleum                         | Refinery                              | November 2001<br>&<br>December 2001 | 600 S/D Personnel (Mechanical,<br>E&I Manpower)      |
| 58 | Top Side Upgrade Project - PS2, 1999<br>Shutdown with main Contractor Doha<br>Petroleum Company (DOPET).   | Qatar Petroleum<br>OFFSHORE PLATFORM    | Offshore<br>Process<br>Platform       | March 1999<br>&<br>December 1999    | 980 S/D Personnel (Mechanical,<br>E&I Manpower)      |
| 59 | Shutdown maintenance of NODCO<br>Refinery, Qatar with main contractor Al<br>Muftah Hadi Hamman Co. W.L.L, Qatar  | Qatar Petroleum                         | Refinery                              | October 1997<br>&<br>November 1997  | 600 S/D Personnel (Mechanical,<br>E&I Manpower)      |
| 60 | Preparation of Structural Fabrication<br>electrical & instrumentation Drawings<br>QGPC Tender GTC/104/'96. with main<br>contractor Al Muftah Hadi Hamman Co.<br>W.L.L, Qatar | Qatar Petroleum                         | Design and<br>Detailed<br>Engineering | June 1995<br>&<br>August 1995       | 40 Personnel incl. Design<br>Engineers & Draughtsman |
| 61 | Shutdown of NODCO Refinery,<br>Mesaieed, Qatar with main Contractor<br>Doha Petroleum Company (DOPET).   | Qatar Petroleum                         | Refinery                              | October 1995<br>&<br>November 1995  | 550 S/D Personnel (Mechanical,<br>E&I Manpower)      |
| 62 | Engineering Installation Works PS1/2/3<br>GTC 108/94 with main Contractor Doha<br>Petroleum Company (DOPET).   | Qatar Petroleum                         | Offshore<br>Process<br>Platforms      | May 1994<br>&<br>August 1994        | 650 S/D Personnel (Mechanical,<br>E&I Manpower)      |
| 63 | Shutdown of NODCO Refinery,<br>Mesaieed, Qatar with main Contractor<br>Doha Petroleum Company (DOPET).   | Qatar Petroleum                         | Refinery                              | October 1993<br>&<br>November 1993  | 550 S/D Personnel (Mechanical,<br>E&I Manpower)      |
| 64 | Shutdown of NGL1 & 3, Merox ,Plant<br>Umm Said, Qatar with main Contractor<br>Doha Petroleum Company (DOPET).  | Qatar Petroleum                         | NGL Plant                             | April 1993<br>&<br>June 1993        | 650 S/D Personnel (Mechanical,<br>E&I Manpower)      |