



## SPCO ENGINEERING PTE LTD



[www.spcosg.com](http://www.spcosg.com)

**S** YNERGY

**P** ROFESSIONALISM

**C** OMPETENCY

**O** RGANIZATIONAL EXCELLENCE



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## TABLE OF CONTENT

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DESCRIPTION	PAGE NUMBER
ABOUT US.....	1
OUR ENGINEERING FORTE.....	2
OUR BATTLEFIELD.....	3
OIL TERMINAL.....	4
PETROCHEMICAL & GAS.....	6
CHEMICAL & PROCESS.....	7
CLEAN ROOM & WAFFLE PLANT.....	8
SPECIALIST SERVICES.....	9
PRE-SHUTDOWN - THE OLDEN DAYS.....	10
OUR FACILITIES.....	11
CONTACT US.....	14



## ABOUT US

Founded and headquartered in Singapore, **SPCO Engineering** is establishing itself as a one-stop EPC contractor with extensive experience offering a complete turnkey integrated engineering solutions to our clients including but not limited to engineering design, procurement, and construction (EPC) services to the oil and gas, petroleum, petrochemical and pharmaceutical industries.

From pre-commissioning, turnkey, shutdown to commissioning of plants, **SPCO Engineering** work hand-in-hand with full support from our dedicated workforce delivering a vast engineering capabilities and quality project management skills, this has brought the organization to a whole new level of productivity and a resourceful infrastructure.

We are also proud to have our networks of regional offices with presence in countries like Indonesia, Malaysia, India and Cyprus.



Building and Construction Authority

Registered Contractor

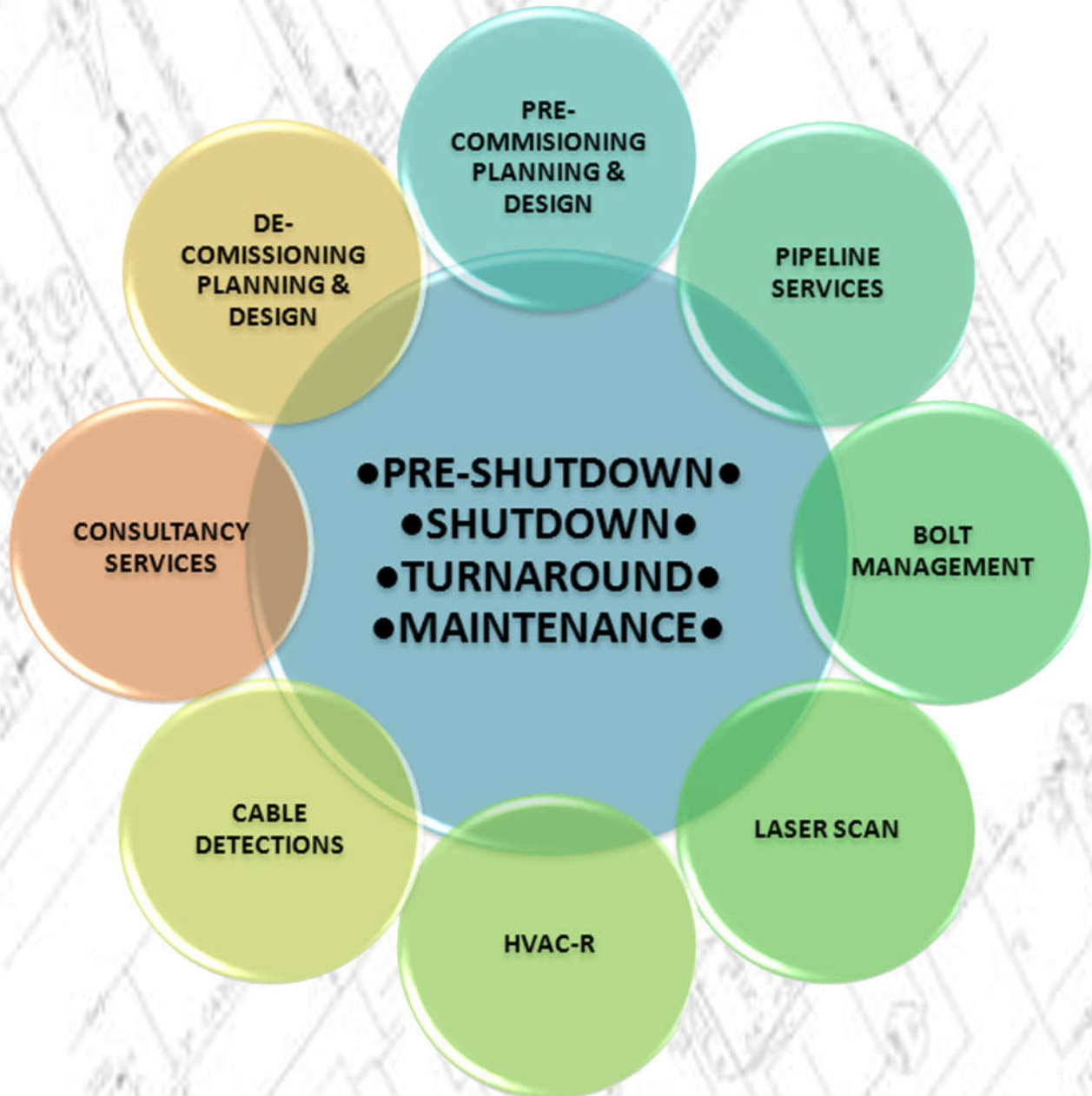
WORK HEAD	GRADE
ME01	L1
ME05	L1
ME11	L1
SY08	L1
CR01	SINGLE GRADE
CR02	L1







## OUR ENGINEERING FORTE





## SPECIALISED SERVICES



### ➤ Bolts management

We have full sets of equipment and trained technicians to cater all kind of bolting job.

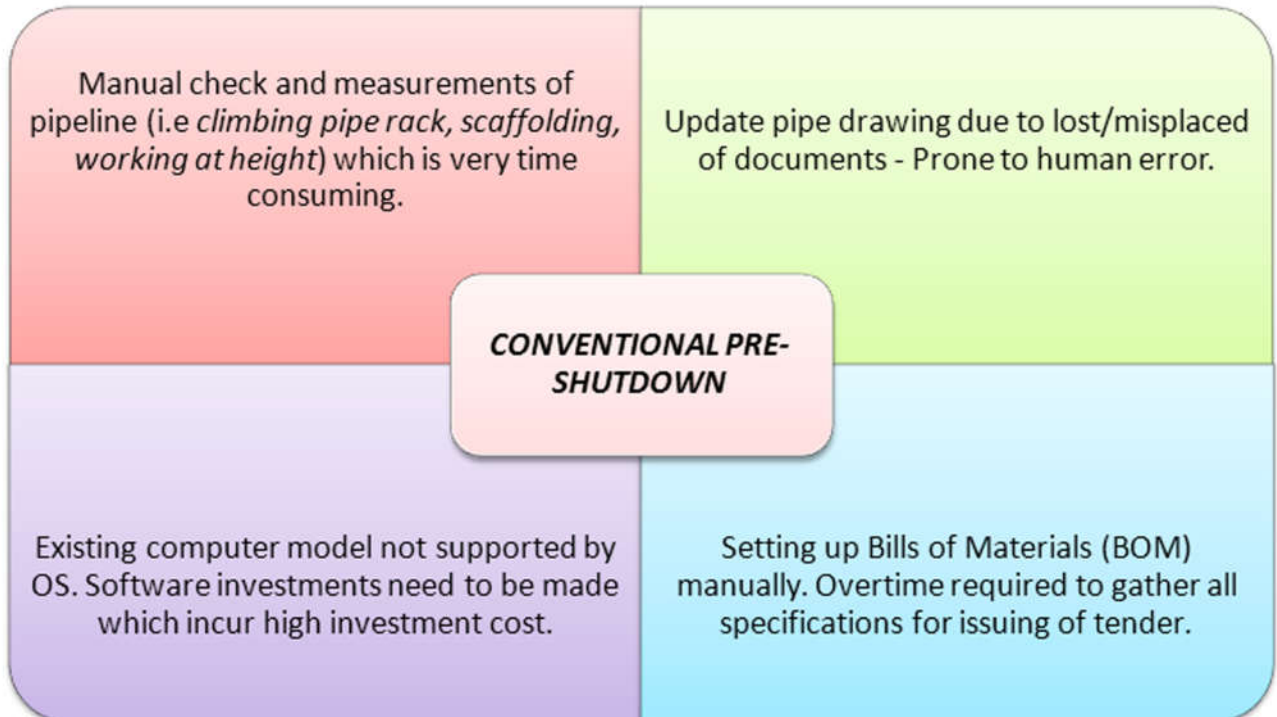
### ➤ De-commissioning services

Containers or Vessels holding contaminated gases and sour water requires special caution and handling. Our team of chemist equipped with portable scrubbers, have the knowledge and experience on content toxicity, flammables and environment imputation, neutralizing the equipment, making the environment safe for work. We are also able to handle waste treatment and control waste disposal with our licensed partner and plant.

### ➤ Plant Shutdown / turnaround services



## PRE-SHUTDOWN - THE OLDEN DAYS



### AS A RESULT...







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## **OUR BATTLEFIELD**

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- ✓ **Oil Terminals**
  - ✓ **Petroleum Refineries**
  - ✓ **Petrochemical Plants**
  - ✓ **Chemical & Process Plants**
  - ✓ **Pharmaceutical Plants**
  - ✓ **Food Manufacturing & Process Plants**
  - ✓ **Electronic Production Plants**
- 
- The background of the slide is a faded, high-angle photograph of a large industrial facility, likely a refinery or chemical plant. It shows a complex network of pipes, towers, and storage tanks under a cloudy sky. The image is semi-transparent, allowing the text to be clearly visible over it.



## OUR FACILITIES & WORKSHOP @ TUAS

50,000sqf of land area



**HYDRAULIC SERVICES WORKSHOP**



**ELECTRICAL WORKSHOP**



**HVAC FABRICATION WORKSHOP**



**MACHINERY WORKSHOP**



**STEEL, PIPING FABRICATION WORKSHOP  
& CHEMICAL CLEANING BAY PLATFORM**



**STORAGE PLACE**



**WAREHOUSE**





## OUR TERMINAL



**Tank Fabrication and Erection.**



**Pipe Fabrication**



## OUR TERMINAL

### **Client : TP Utilities Pte Ltd, Jurong Island**

Site fabrication and erection of four (4) DI water storage tank (24 meter diameter mild steel tank) at Tuas Power Utilities, Tembusu.

### **Client : ATT Tanjung Bin, VTTI SEA**

Workshop fabrication and site erection of total 14 numbers of 30 meter diameter mild steel tank and 8 numbers of stainless steel chemical storage tank.

#### ➤ **Re-Certification of Tanks**

- As per Singapore's local authority and API requirement, tankages are required to be re-certified within the stipulated number of years.
- We have partners from Professional Services from Third Party Inspector, Authorized Examiner (MOM) and Profession Engineer (P.E Board) to conduct and issue Certification.
- The environment safe methods we use can greatly save the owner's time and cost.

#### ➤ **Other services**



**Crawling Robot**



**Manual UT inspection on tank top**



**Design and build of FRC/GRC tank and panelized circular and standard tanks.**





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## PETROCHEMICAL & GAS

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Shutdown & Turnaround  
Pre-Shutdown Engineering



Boiler and Heat-Exchanger tube cleaning using environmental friendly methods.




Pipe Fabrication and Installations.



Custom steel designs, fabrications, installation and repair.

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## CHEMICAL & PROCESS



**Client: Singapore LNG Plant - SLNG**

- LPG pipeline pre-commissioning and nitrogen testing.
- Control chill-down process



**Client: Jurong Aromatic Complex (JAC)**

- To provide engineering works on pre-commissioning, pre-startup engineering
- To generate commissioning packages
- Hydro-test, power flushing, chemical cleaning, silencer and steam blowing
- CCR System (UOP) SAP



## CLEAN ROOM & WAFFLE PLANT



### ➤ Clean environment facilitated engineered flow controls

- Fabrication of duct work
- Selection of equipment
- Commissioning
- Maintenance of clean duct

### ➤ Piping

- PP – Polypropylene
- PE – Polyethylene
- Specialized equipment and skill labor to carry out the job
- Supported by our own DI/DM generator





## LATEST COMPLETED & ONGOING PROJECTS

YEAR	SHIPYARD/CLIENT	VESSEL	SCOPE OF WORK
2017-2018	CSI OIL & GAS PTE LTD	SKID PACKAGES	FABRICATION AND ASSEMBLY OF SKID PACKAGES
2017	PENGUIN SHIPYARD INTERNATIONAL PTE LTD	-----	DECK CRANE HYDRAULIC SYSTEM - PRESSURE TESTING AND HOT OIL FLUSHING AT ONBOARD THE VESSEL
2017	JUNMA SERVICES PTE LTD	-----	CHEMICAL CLEANING OF MARINE ENGINE SAFETY VALVES IN SPCO WORKSHOP
2017	PENGUIN SHIPYARD INTERNATIONAL PTE LTD	-----	HYDRAULIC TUBING SYSTEM - PRESSURE TESTING AND HOT OIL FLUSHING AT ONBOARD THE VESSEL
2017	JUNMA SERVICES PTE LTD	-----	CHEMICAL CLEANING OF TUBES AND CYLINDERS AT SPCO WORKSHOP
2017	APPLIED ENGINEERING PTE LTD	-----	PICKLING AND PASSIVATION AT SITE FOR TUBE BUNDLE
2017	KEPPEL SINGMARINE PTE LTD	HULL 389	THRUSTER OIL PURIFICATION NAS CLASS CERTIFICATE AT ONBOARD THE VESSEL
2017	KEPPEL SINGMARINE PTE LTD	HULL 389	FRESH WATER PIPING SYSTEM – DEGREASING AND CHEMICAL CLEANING AT ONBOARD THE VESSEL
2017	KEPPEL SINGMARINE PTE LTD	HULL 389	RECOVERED OIL DISCHARGE PIPING SYSTEM - HOT OIL FLUSHING AT ONBOARD THE VESSEL
2017	KEPPEL SINGMARINE PTE LTD	HULL 389	DIVING MOON POOL HATCH COVER HYDRAULIC SYSTEM - HOT OIL FLUSHING AT ONBOARD THE VESSEL
2017	KEPPEL SINGMARINE PTE LTD	HULL 389	EQUIPMENT LOCK MOTOR & BELL CLAMP HYDRAULIC SYSTEM - HOT OIL FLUSHING AT ONBOARD THE VESSEL
2017	HSL CONSTRUCTOR PTE LTD	TDP3	RO2 PIPE RACK FABRICATION AT SPCO WORKSHOP
2017	KEPPEL SINGMARINE PTE LTD	HULL 389	AIR DRIVE LARS HYDRAULIC TUBING SYSTEM - HOT OIL FLUSHING AT ONBOARD THE VESSEL
2017	KEPPEL SINGMARINE PTE LTD	HULL 389	HPR HYDRAULIC TUBING SYSTEM - HOT OIL FLUSHING AT ONBOARD THE VESSEL
2017	HSL CONSTRUCTOR PTE LTD	NIF PROJECT	LADDER, PLATFORMS AND STAIR CASE FABRICATION IN SPCO WORK SHOP
2017	KEPPEL SINGMARINE PTE LTD	HULL 389	NITROGEN CYLINDERS - N2 CHARGING AT ONBOARD THE VESSEL
2017	KEPPEL SINGMARINE PTE LTD	HULL 389	DIVING EQUIPMENT HYPERBARIC DAVIT HYDRAULIC SYSTEM - HOT OIL FLUSHING AT ONBOARD THE VESSEL
2017	KEPPEL SINGMARINE PTE LTD	HULL 389	ROV HYDRAULIC PIPING SYSTEM - FABRICATION, INSTALLATION PRESSURE TESTING & HOT OIL FLUSHING AT ONBOARD THE VESSEL
2017	KEPPEL SINGMARINE PTE LTD	HULL 389	SPCO SUPPLY OF MANPOWER & RENTAL OF EQUIPMENT FOR ENGINE COMMISSIONING & FLUSHING WORK AT ONBOARD THE VESSEL
2017	KEPPEL SINGMARINE	HULL 389	DIVING HYDRAULIC SYSTEM PIPES - DEGREASING AND HIGH PRESSURE CLEANING AT SPCO WORKSHOP
2017	JGC	-----	ROTO-JETTING AND PERSERVATION AT SPCO WORKSHOP
2017	HSL CONSTRUCTOR	-----	LADDER, PLATFORMS AND STAIR CASE FABRICATION IN SPCO WORK SHOP





## LATEST COMPLETED & ONGOING PROJECTS

YEAR	SHIPYARD/CLIENT	VESSEL	SCOPE OF WORK
2017	KEPPEL SINGMARINE	HULL 385	CHEMICAL CLEANING OF PIPES
2017	KEPPEL SINGMARINE	HULL 386	CHEMICAL CLEANING OF PIPES
2017	APPLIED ENGINEERING	-----	PIPE DRILLING
2017	KEPPEL SINGMARINE	-----	RENTAL OF TORCHUP DRIVE CYLINDER AND TORCHUP MINI ELECTRIC PUMP
2017	KEPPEL SINGMARINE	HULL 381	RENTAL OF HYDRAULIC TORQUEING TOOLS
2017	KEPPEL SINGMARINE	HULL 390	PIPE FABRICATION SPCO WORKSHOP
2017	APPLIED ENGINEERING	CHANNEL FLANGE	CHANNEL FLANGE MACHINING WORKS CHEMICAL CLEANING OF PIPES
2017	MODEC OFFSHORE	MV 27	SUPPLY OF FILTER
2017	KEPPEL SINGMARINE	HULL 389	PIPE FABRICATION SPCO WORKSHOP
2017	MODEC OFFSHORE	MV 27	FABRICATION OF INSPECTION WINDOWS (MV-27)
2017	RMS MARINE & OFFSHORE SERVICE	KWKL	TO REPAIR DAMAGED ACCUMULATOR OF RESCUE BOAT DAVIT IN SINGAPORE
2017	SCHLUMBERGER	SCHLUMBERGER	PBT CART SUPPORT FOR MINI VESSEL
2017	TONG HENG METAL WORKS	SUPER STEEL	SUPPLY OF MANPOWER TO SUPER STEEL WORKSHOP FOR FABRICATION OF BUILDING RAILING
2017	KEAN HONG ENGINEERING	-----	PIPE WORK ERECTION AND ASSOCIATED WORK AT GSK@QUANTITY ROAD SINGAPORE
2017	MCCONNELL DOWELL SOUTH EAST ASIA	-----	TO SUPPLY 100 PCS OF POLE
2017	JEL MAINTENANCE	HUNTSMAN FAB	CARBON STEEL & STAINLESS STEEL PIPE FABRICATION SPCO WORKSHOP
2017	APPLIED ENGINEERING	RFQ004077 16AE099	HASTELLOY REACTOR (VESSEL)-EXTERNAL PICKLING AT SPCO WORKSHOP AIR PRESSURE VESSEL - CHEMICAL CLEANING AT SPCO WORKSHOP INTERNAL AND EXTERNAL PICKLING AND PASSIVATION AT SPCO WORKSHOP CHANNEL COVERS
2017	AD-METH MECH-FIELD	-----	TO PROVIDE BENDING SERVICE FOR 2" SCH 80 PIPE
2017	HSL CONSTRUCTOR	TDP3	RO2 PIPE RACK FABRICATION AT SPCO WORKSHOP
2016	KEPPEL SINGMARINE	HULL 385 / 386 HULL 381 / 390	CHEMICAL CLEANING OF PIPES RENTAL OF HYDRAULIC TORQUEING TOOLS PIPE FABRICATION SPCO WORKSHOP
2016	APPLIED ENGINEERING	CHANNEL FLANGE	CHANNEL FLANGE MACHINING WORKS CHEMICAL CLEANING OF PIPES
2016	MODEC OFFSHORE	MV 27	SUPPLY OF FILTER FABRICATION OF INSPECTION WINDOWS (MV-27)
2016	RMS MARINE & OFFSHORE SERVICE	KWKL	TO REPAIR DAMAGED ACCUMULATOR OF RESCUE BOAT DAVIT IN SINGAPORE
2016	SCHLUMBERGER	SCHLUMBERGER	PBT CART SUPPORT FOR MINI VESSEL
2016	TONG HENG METAL WORKS	SUPER STEEL	SUPPLY OF MANPOWER TO SUPER STEEL WORKSHOP FOR FABRICATION OF BUILDING RAILING
2016	KEAN HONG ENGINEERING	-----	PIPE WORK ERECTION AND ASSOCIATED WORK AT GSK@QUANTITY ROAD SINGAPORE



## LATEST COMPLETED & ONGOING PROJECTS

YEAR	SHIPYARD/CLIENT	VESSEL	SCOPE OF WORK
2016	MCCONNELL DOWELL SOUTH EAST ASIA	-----	TO SUPPLY 100 PCS OF POLE
2016	LTA-GOVERNMENT OF SINGAPORE	-----	SUPPLY OF CONTAINER
2016	PUB SINGAPORE	-----	SUPPLY, MODIFY, AND INSTALL CAST STEEL GATE VALVES FOR DISESL SYSTEM IN KRANJI WATER RECLAMATION PLANT
2016	JEL MAINTENANCE	HUNTSMAN FAB	CARBON STEEL & STAINLESS STEEL PIPE FABRICATION SPCO WORKSHOP
2016	NATIONAL UNIVERSITY OF SINGAPORE	-----	APPOINTMENT OF SERVICE PROVIDER TO PERFORM THE UNDERGROUND SERVICES AND EXISTING SERVICES TRACING WORKS AT BLOCK S9, S9A AND LT22 - SC269
2016	GOVERNMENT OF SINGAPORE	MAS	DIESEL FUEL TANKS PRESSURE TEST AT MAS BUILDING
2016	APPLIED ENGINEERING	RFQ004077 16AE099	HASTELLOY REACTOR (VESSEL)-EXTERNAL PICKLING AIR PRESSURE VESSEL - CHEMICAL CLEANING AT SPCO WORKSHOP
2016	KEPPEL SINGMARINE	HULL 389	DIVING HYDRAULIC SYSTEM PIPES - DEGREASING AND HIGH PRESSURE CLEANING AT SPCO WORKSHOP
2015	KEPPEL SINGMARINE	HULL 385 HULL 386	CHEMICAL CLEANING OF PIPES
2015	APPLIED ENGINEERING	-----	PIPE DRILLING
2015	APPLIED ENGINEERING	CHANNEL FLANGE	CHANNEL FLANGE MACHINING WORKS CHEMICAL CLEANING OF PIPES
2015	MODEC OFFSHORE PRODUCTION SYSTEM	MV 27	SUPPLY OF FILTER
2015	KEPPEL SINGMARINE	HULL 389	PIPE FABRICATION SPCO WORKSHOP
2015	MODEC OFFSHORE PRODUCTION SYSTEM	MV 27	FABRICATION OF INSPECTION WINDOWS (MV-27)
2014	AMERICAN EQUIPMENT SERVICES	-----	MODIFICATION OF PIPE WELDMENTS, FLUSHING AND TESTING IN SPCO WORKSHOP.
2014	KEPPEL SINGMARINE	HULL-366	WASTE CHEMICAL DISPOSAL
2014	KEPPEL SINGMARINE	HULL-380	SUPPLY OF MANPOWER AND EQUIPMENT (FLOW METER)
2014	APPLIED ENGINEERING	-----	INTERNAL & EXTERNAL CHEMICAL CLEANING FOR STAINLESS STEEL VESEL(304 L & 316L)
2014	KEPPEL SINGMARINE	HULL 381	REMOVE GALVANISING
2014	KEPPEL SINGMARINE	HULL 385	CHEMICAL CLEANING OF PIPES AT SPCO WORKSHOP



## CONTACT US

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