



# Brooke Dockyard & Engineering Works Corporation (SWK 1563)

ISO 9001:2008  
ISO 14001:2004  
OHSAS 18001:2007

CIDB Registered  
DOSH Registered  
DOE Registered  
MOCA Registered

## SHARING OF SOHELP 2016 IMPLEMENTATION EXPERIENCE

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Senior Manager, HSE  
Date: 15 March 2017



"I Am A Safe Worker..... Nobody Gets Hurt"

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# The Company Introduction

## Background



Brooke Dockyard established in 1912  
(reputedly the oldest shipyard in Malaysia)



Government Statutory Body, 100% owned by the State  
Government of Sarawak Under Ministry of Infrastructure  
Development and Communication



Active in Oil & Gas (Offshore and Onshore), Shipbuilding,  
Ship Repair and Bridges construction industries.



## .Introduction

Name : **Brooke Dockyard and Engineering Works Corporation**

Address : Sejingkat Yard, Jalan Bako  
93050 Kuching Sarawak

Contact Person : Andrew Ronggie

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Commencement  
of Operation : Year 1912

DOSH Reg. No. : SWK 1563

Type of Industry : Fabrication, Manufacturing and Engineering Services

No. of Workers : 340 ( Male : 280 ; Female : 60 )

# 1. OHS MS Certification & Recognition

- HSE Management System is certified to OHSAS 18001:2007 & ISO 14001:2004 EMS since 2009 & 2015 respectively. The last Surveillance Audit conducted on 19-21/10/2016 with no NCR and 5 OFI findings.

## ***Recent HSE Recognition***

- ***Nov.2016 : Awarded SOHELP Level 4 by DOSH Sarawak for SOHELP Implementation 2016***
- ***Aug.2016 : MSOSH Gold Award 2015 for OHS MS Engineering & Construction Services Category.***
- ***Nov.2016 : MOSHPA Gold Award 2015 for OHS MS for Fabrication of Steel Assemblies and Module for Oil & Gas Industries.***
- ***2013-14 : MOSHPA Gold Award 2013/2014 for OHS MS for Fabrication of Steel Assemblies and Module for Oil & Gas Industries.***
- ***2012 : MERIT Award for Sarawak Chief Minister Environmental Award (CMEA)***
- ***2011/2012 : Malaysian Construction Industry Award (MCIEA)-Safety & Health Category***

## 2. HSE STATISTICS FOR 2013-2017 (AS OF 24/02/2017)

### Brooke Dockyard and Engineering Works Corporation - HSE Data (2013 – Feb2017 )

	Current Year	Year -1	Year -2	Year -3	Year -4
Project	<b>EPC of E6DP-A</b>	EPCC of SASA Topside	EPC of SASA Subst & EPCC of SASA/SA-AA	EPCIC SAPA & SAAA Subs & Topsides	EPCIC of ME-PA Topsides
Manhours	<b>126,432.35</b>	913,028	882,975	1,225,922	1,896,683
Km driven	<b>NA</b>	NA	NA	NA	NA
Exposure hours	<b>0</b>	0	0	0	0
FATALITY	<b>0</b>	0	0	0	0
LTI	<b>0</b>	0	0	0	0
LWC	<b>0</b>	0	0	0	0
RWC	<b>0</b>	0	0	0	0
MTC	<b>0</b>	0	1	0	2
FAC	<b>0</b>	0	0	0	2
TRC	<b>0</b>	0	1	0	2
NMI	<b>1</b>	3	6	0	1
FAR	<b>0</b>	0	0	0	0
LTIF	<b>0</b>	0	0	0	0
TRCF	<b>0</b>	0	1.13	0	1.05
LOPC	<b>0</b>	0	0	NA	NA

**Total manhours worked: 5.2 Million**

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# SOHELP: Chemical Improvement Level 4

**BEFORE**



**Diesel welding machine  
without drip pan**

**AFTER**



**Diesel Welding set placed in  
drip pan to contain spillage.**



# SOHELP: Chemical Improvement Level 4

**BEFORE**



**Temporary Scheduled  
Waste Storage**

**AFTER**



**New Dedicated Scheduled  
Waste Storage**

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# SOHELP: Chemical Improvement Level 4

• **BEFORE**

**AFTER**



Mixing of paint  
manually



Mixing paint /  
chemical with stirrer



# SOHELP: Chemical Improvement Level 2

**BEFORE**



**Workshop without  
ventilation system fan**

**AFTER**



**Workshop fitted with  
ventilation system fan**





# SOHELP: Noise Improvement Level 5

**BEFORE**



**Blasting Pot at Blasting Chamber**  
**Medium used : Garnet**

**AFTER**



**Newly installed Auto Blasting Machine at its dedicated chamber.**

**Medium used : Steelshot**

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# SOHELP: Ergonomic Improvement Level 5

**BEFORE**



**Open Concept Work Station  
at Fab. Workshop without  
Working table**

**AFTER**



**Work Station with Working  
Table to provide ergonomics  
environment.**

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# SOHELP: Ergonomic Improvement Level 5

**BEFORE**



**Tubular on wooden support  
with limited access**

**AFTER**



**Tubular on rotating rotor for  
easy access & handling**

### **3. Other Initiatives**

- **Incorporate SOHELP Initiative in HSE Induction Package for Staffs, Subcontractors, Vendors & suppliers,**
- **Sent Medic to attend NIOSH OHN training**
- **Include SOHELP subject in overall OSH Incentive Programs.**
- **Maintain SOHELP Team after DOSH SOHELP Program**
- **Identify & display signage related to SOHELP matters**

## **4. Overall Overview on SOHELP**

- **SOHELP initiatives introduced by DOSH is appropriate and timely to improve safety & health the working environment within the selected industries.**
- **Overall performance had shown improvement on SOHELP related initiatives namely Chemical, Noise & Ergonomics.**
- **The performance level achieved during the period is clear indication or evidence that there is achievement from Level 1 to level 5 for all the 3 initiatives.**

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## **5. Recommendations to Improve SOHELP in the future**

- **SOHELP Initiatives can still be pursued further by other industry players.**
- **Other initiative(s) can be further identified and included in the program**
- **Procedures related to SOHELP Initiatives to be properly documented for implementation, monitoring and reporting.**
- **Internal Assessment shall be conducted by participating SOHELP Team**
- **Include OD & OP as OSH Indicator before & after SOHELP.**



## 6. Other SOHELP matters

Other SOHELP matters may include:-

- ❑ Work place cleanliness
- ❑ Work place housekeeping
- ❑ SOHELP Team(s) for different location, if required.

### Note

1. Cleanliness & good housekeeping at place of work should be made a prerequisite to successful OSH programs which include applicable SOHELP initiatives.

# Checkpoint Summary Update

Categories	Level					Remark
	1	2	3	4	5	
Chemicals	4/4	7/7	10/10	6/6	4/4	Achieved
Noise	3/3	3/3	8/8	5/5	6/6	Achieved
Ergonomics	2/2	3/3	5/5	2/2	2/2	Achieved

## 7. Conclusion

- **SOHELP initiatives adopted & implemented had shown positive performance and should be pursued to maintain and sustain performances within the industries concerned.**
- **SOHELP could be used for bench marking amongst the industry players.**
- **SHOHELP could contribute to the LTI Free HSE Target**
- **SOHELP is one of the ways towards achieving OSH MP2020.**

[Video Clip](#)

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# Acknowledgement

I, on behalf of Brooke Dockyard wish to record our thanks and appreciation to DOSH Sarawak & DOSH HQ for giving us the opportunity to participate in SOHELP 2016 & SOHELP Convention 2017.



