



ASEAN HSSE
LOSS PREVENTION &
PROFESSIONAL DEVELOPMENT
CONFERENCE & EXHIBITION
18-19 SEPTEMBER 2019
ISTANA HOTEL, KUALA LUMPUR
MALAYSIA

"Operational Excellence Through HSSE Innovation"



Converting Waste Reduction Into Cost Savings

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Project Description

- Disposal of scheduled waste in 2016 had cost Petrofac Malaysia RM 220,000.00.
- With the continuous disposal of scheduled waste, expenses is expected to increase and lowering profits during low crude oil prices.
- Methods to reduce cost and mitigate increasing expenses was necessary.



Waste Management Summary

2016

**Disposal of
Generated
Scheduled
Waste (SW)
Cost
Approximately
MYR 220K.**

2017

**Scheduled
Waste for
Recycling &
Recovery Cost
Saved
Approximately
MYR 150K.**

2018

**Generated
Scheduled
Waste was
Approximately
70MT.**

Limited recycle and recovery facilities with SW code registered with DOE constrain PMY to 100% recycle / recover SW.

- Limited information on SW Recycling and Recovery Management.
- Low take-up by the O&G industry in recycling SW.
- Inadequate SW recycling and recovery facilities with PETRONAS license.
- Limited SW codes registered at recycling and recovery facility.

RECYCLE / RECOVERY	DISPOSAL
60MT ≈ MYR 60,000	10MT ≈ MYR 40,000





Scheduled Waste Reduction Plan / Program

- Developed SW Recovery/Recycling Contract.

Scheduled Waste	
SW 206	SW 322
SW 305	SW 323
SW 306	SW 409
SW 307	SW 410
SW 309	SW 418
SW 311	SW 429

Recycling over
Disposal will lead to a
68%
reduction in cost.





Scheduled Waste Recovery/ Recycling Initiative





Positive Impact

- Recycling and Recovering has helped Petrofac Malaysia to not only reduce its operating cost, but also function as a responsible organization in the environment it operates in.





Acknowledgements



PETRONAS



- Department of Environment, Malaysia
- PETRONAS MPM
- PETRONAS MPM Joint Environment Working Group
- Pangkalan Bekalan Kemaman Sdn Bhd (KSB)





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Welcome Any Questions.
Thank You.



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