



# Decommissioning and Restoration – Fostering Excellence through Regulations, Innovation, and Sustainable Practices

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30–31 JULY 2024 | BANDAR SERI BEGAWAN, BRUNEI



# Asia's First Reverse S-Lay Pipeline Removal with contamination management in the Gulf of Thailand

Ts. Dr. Ahmad Soyuti bin Haji Sabran



## Profile



### **Ts Dr Ahmad Soyuti bin Haji Sabran**

PhD UTM (2021), MBOT (2022), SHO (2007)



### **Project HSE Manager**

- Project Management Team (2010-present)
- Engineering and Construction (2012-2018)
- Pan Mal, TANAP-Turkey, GUPCO-Egypt, and Shell Bukom-Singapore
- Structure and Pipeline Removal (2019-present), Chevron Thailand



### **Sapura Offshore Sdn Bhd**

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# Asia's First Reverse S-Lay Pipeline Removal with contamination management

- **Project Overview**
- **Key Project Milestones**
- **Marine Spreads**
- **Scope of Work**
- **Methodology**
- **Conclusion**



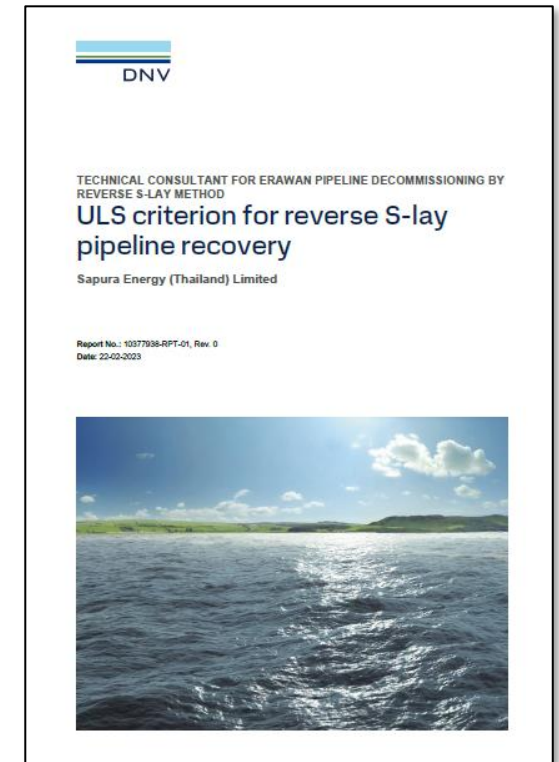
## Project Overview

Removal of **11 pipelines** (10" and 16") and transportation to onshore disposal:

- Preparation work including developing a **new engineering code** (DNV) for *Reverse S-Lay Pipeline Recovery* tailor-made to this scope.
- Recover pipelines and subsea structures.
- **Contamination Management** onboard *Sapura 1200*.
- Transport to onshore for disposal.



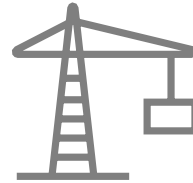
*Field Layout and  
Operation Base*



*Newly Developed  
DNV Code*



# Key Project Milestones



## Project Kick-Off

*Client, internal, and external (business partners)*

## Project Preparation

*Including newly developed DNV Code*

## Offshore Campaign

*300 POB*  

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*18 Nov 2023 – 3<sup>rd</sup> Mar 2024*

## Project Completion

*423K man-hours without LTI*  

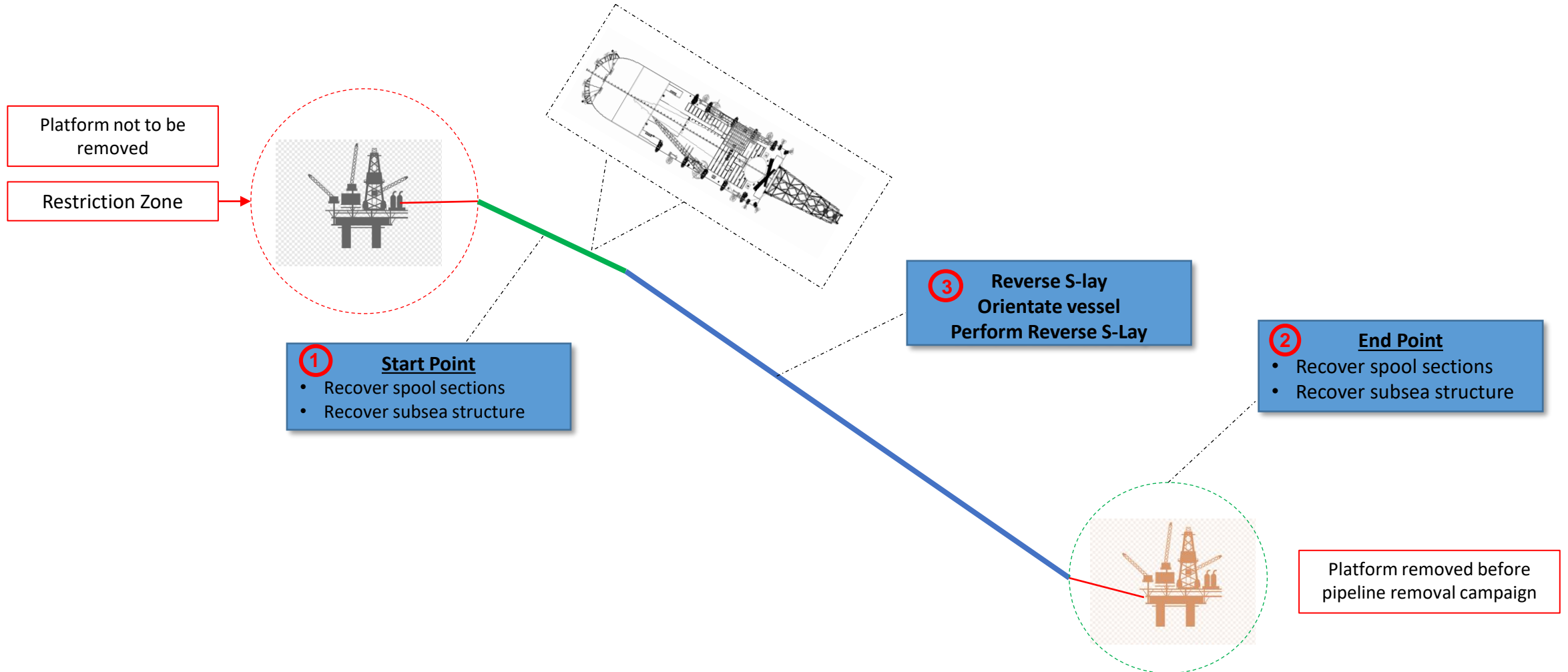
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*Asia's 1<sup>st</sup> Reverse S-Lay*

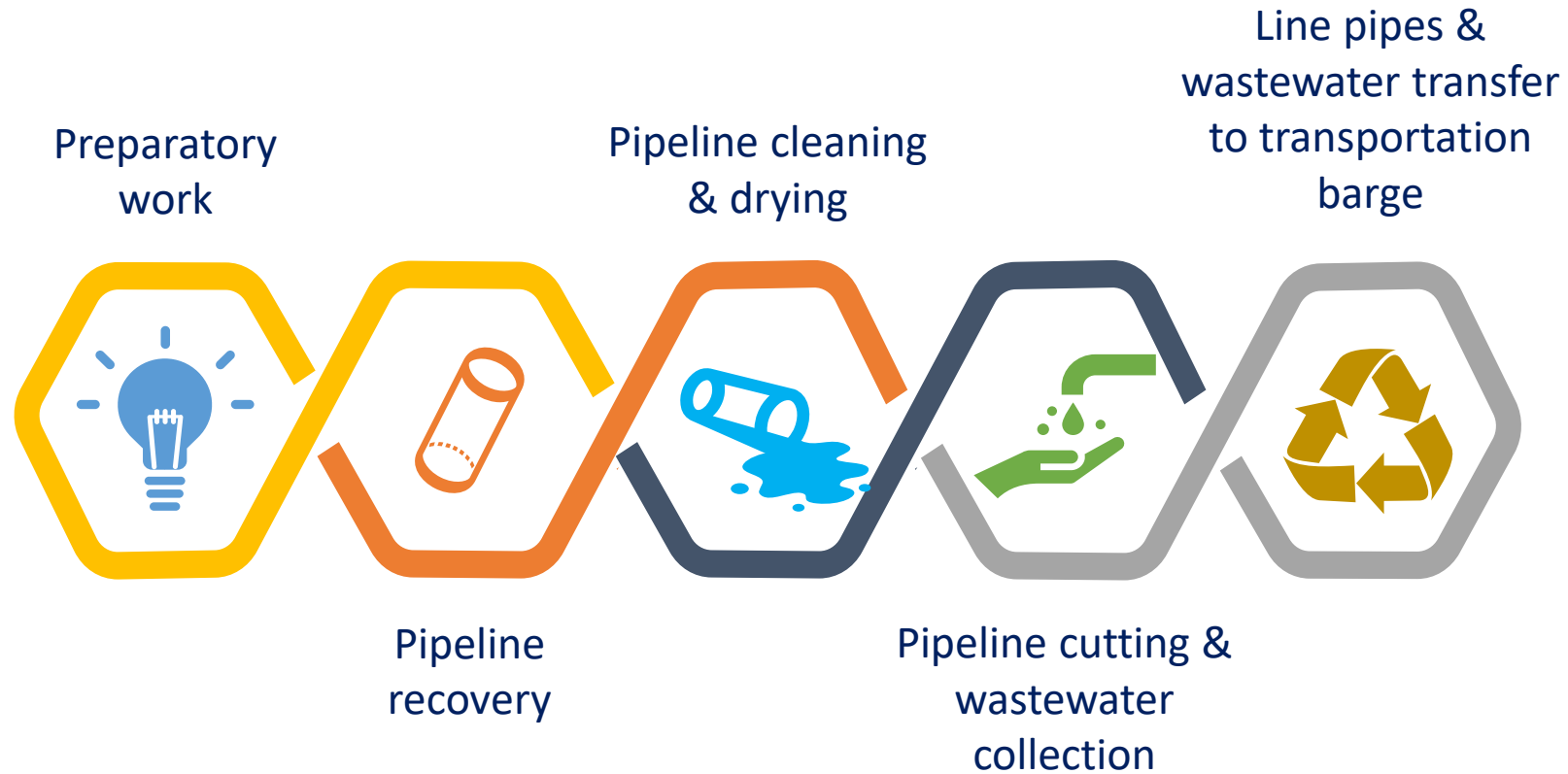
## Lessons Learnt

*At every level & discipline*

# Methodology - Demarcation

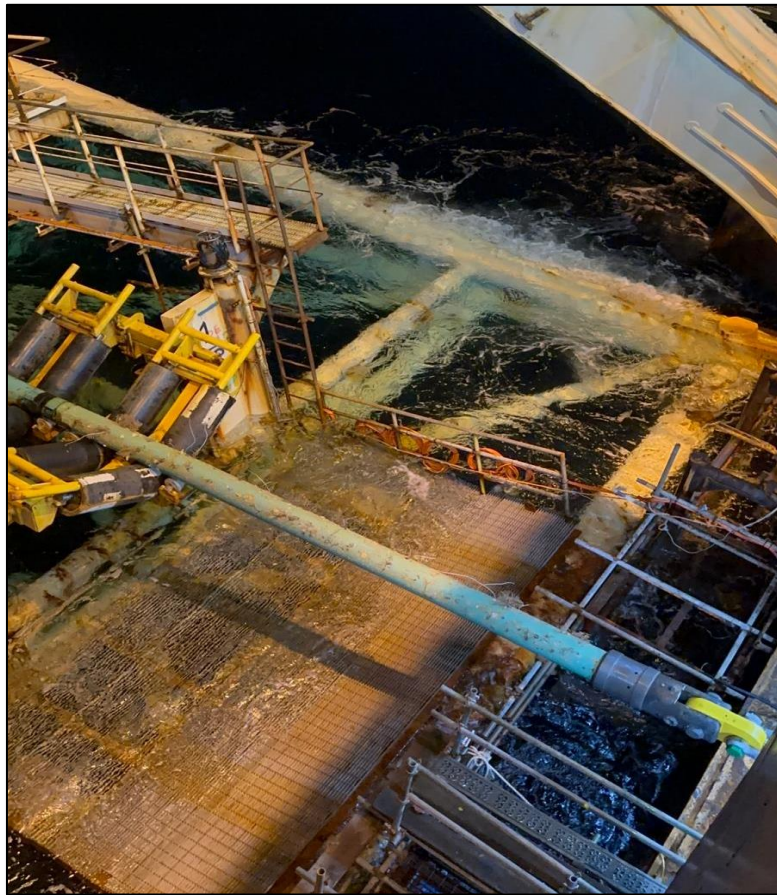


# Methodology - Overview

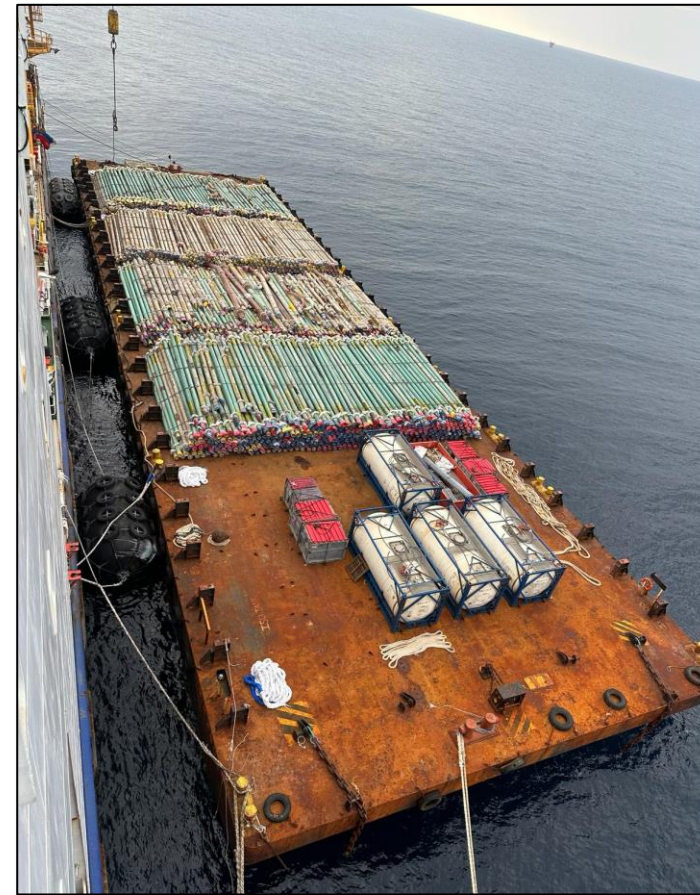




# Methodology – Offshore Operations

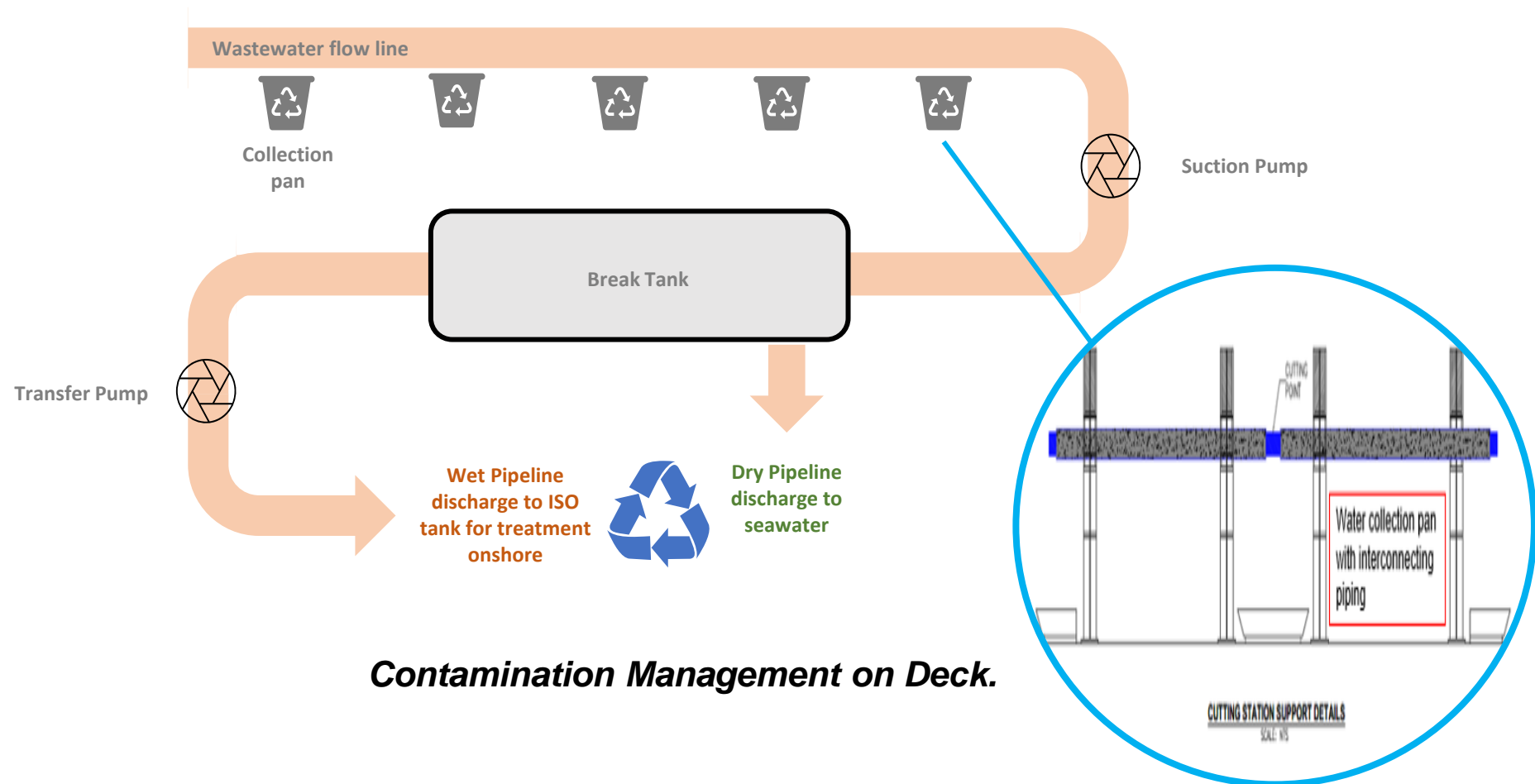


*Recovery Pipe and Cut In Firing Line*



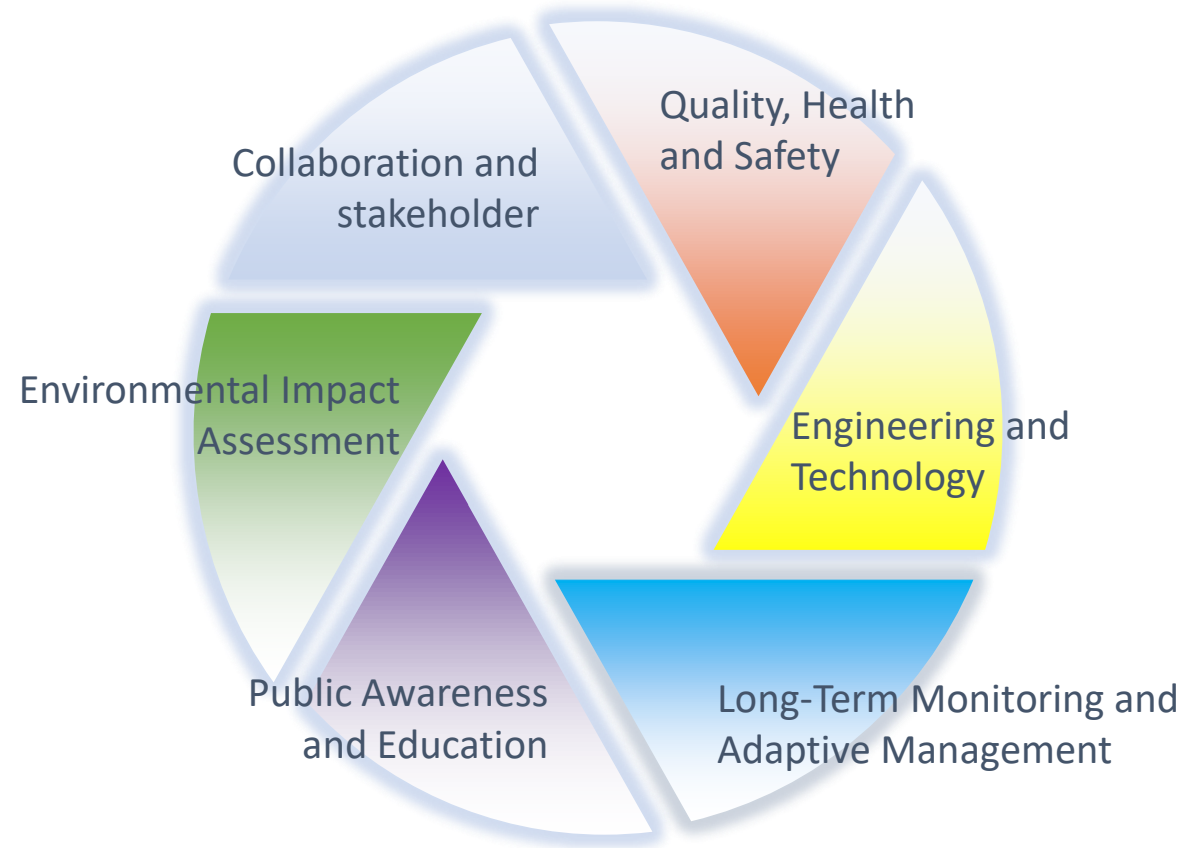
*Line pipes Transfer to Barge*

# Methodology – Wastewater Management



***Contamination Management on Deck.***

# Key Learnings

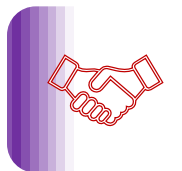


# Conclusion and recognition

## Subsea Pipeline Decommissioning



Utilized the 1<sup>st</sup> reverse S-lay technique with contamination management in Asia



Adhered to local environmental and safety standards



Successfully executed the campaign without serious injury or fatality and LTI





# Thank you

## Q&A

“speak your mind, even if your voice shakes”

