

Business Challenge

P&ID and HAC Documentation



Analyze

Identify the deviations from the documented P&ID



Innovation

Challenges faced when trying to do line tracing and isometric calculation, create innovative solutions to get the dimensions and piping layout

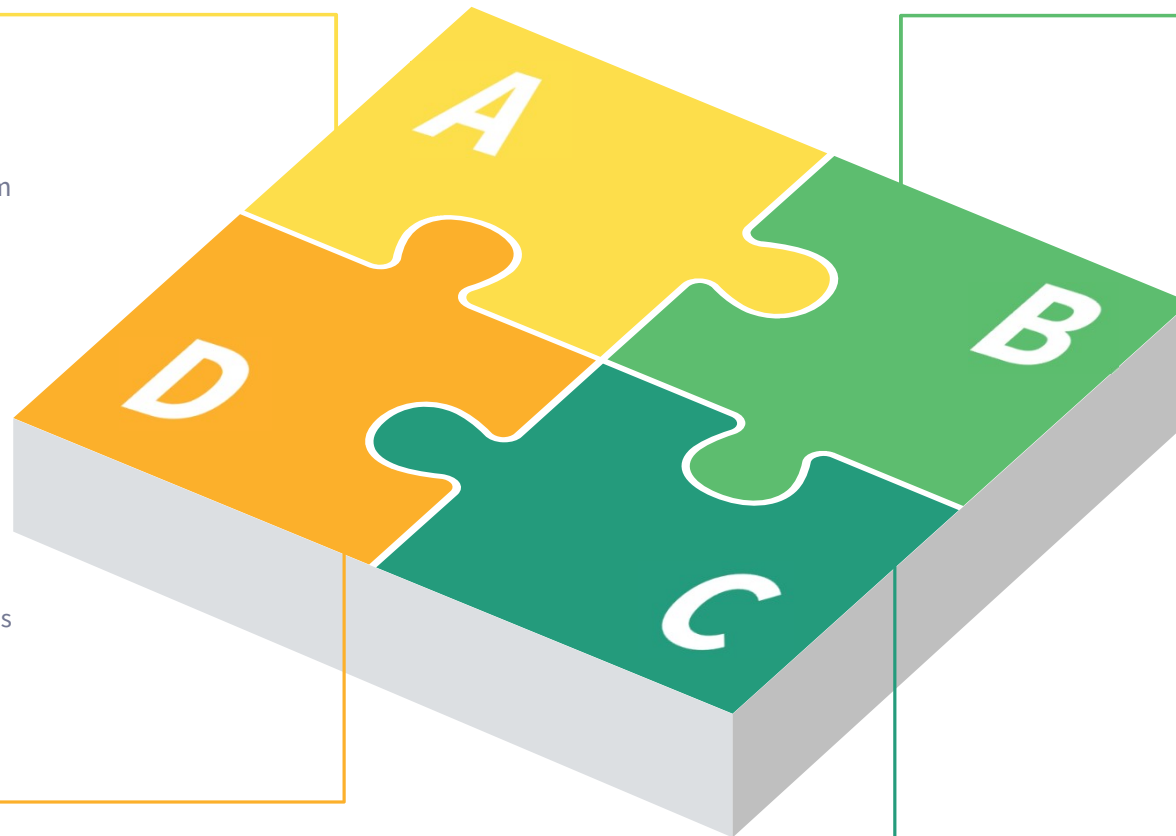
Survey

Conduct survey of the process platforms and interact with the personnel's working on those processes



Management

Has single source of truth about their process platforms, thereby enabling quick decisions on process optimization





Challenges Faced by Shell

- After plant being commissioned and run there was no documentation in deviations implemented whilst commissioning.
- Equipment tags were missing.
- No documentation to support safety equipment.
- Identification of escape routes not present in the present drawings/ documents.
- No documentation to provide evidence as to which area is hazardous and which area is safe.



Solution Approach by Petrodia

- Visiting Site, to identify the process, parameters, piping, instruments, equipment and living quarters.
- Inspection of the platform, helideck, living quarters, process area, well heads and emergency escape routes.
- Verifying safety equipment being installed in compliance to API RP 14 and NOROSOK S-001
- Identification and verification of Hazardous Area Classification in compliance to API RP 505.
- Preparation of Drawings As Built in by survey and updating the existing drawings. Document creation with set standards.



Results Delivered by Petrodia

- Shell has proper documentation of the platform in it's operational state, in compliance to international and Shell's standards.
- Documentation, identification and verification of safety equipment and escape route in compliance with international set standards will increase safety of the platform it's employees. and safe guard
- Documentation will enable further extension or modifications to the platform be carried out easily in the set international standard thus reducing cost.
- Verification, identification and classification of hazardous area will increase the platform's HSE Standards.

