IN-SERVICE PIPING INSPECTION WORK-AID TOOL FOR PROCESS INDUSTRIES

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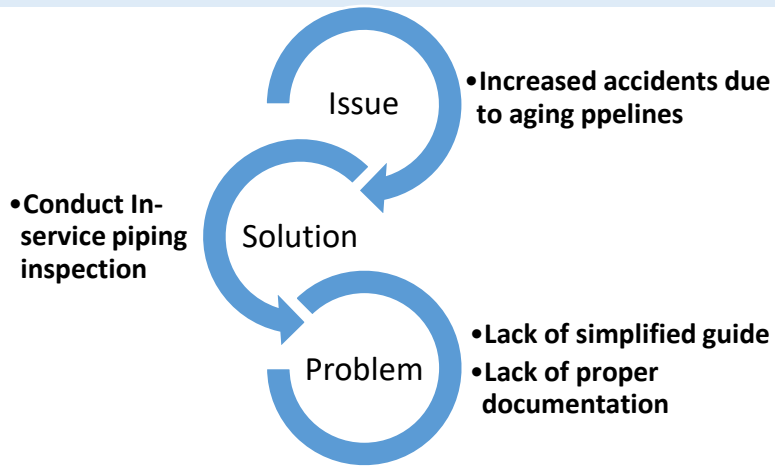
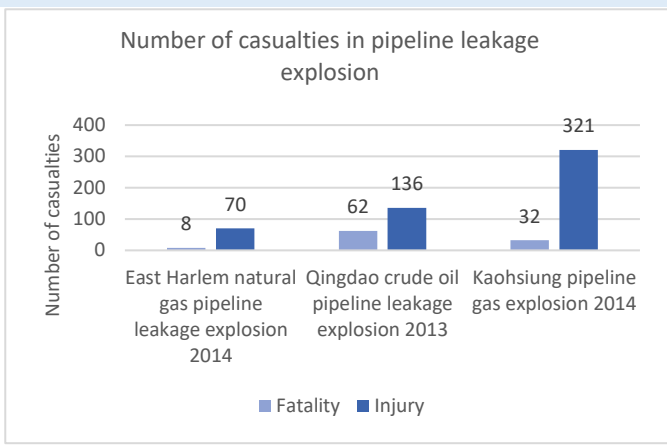
Introduction



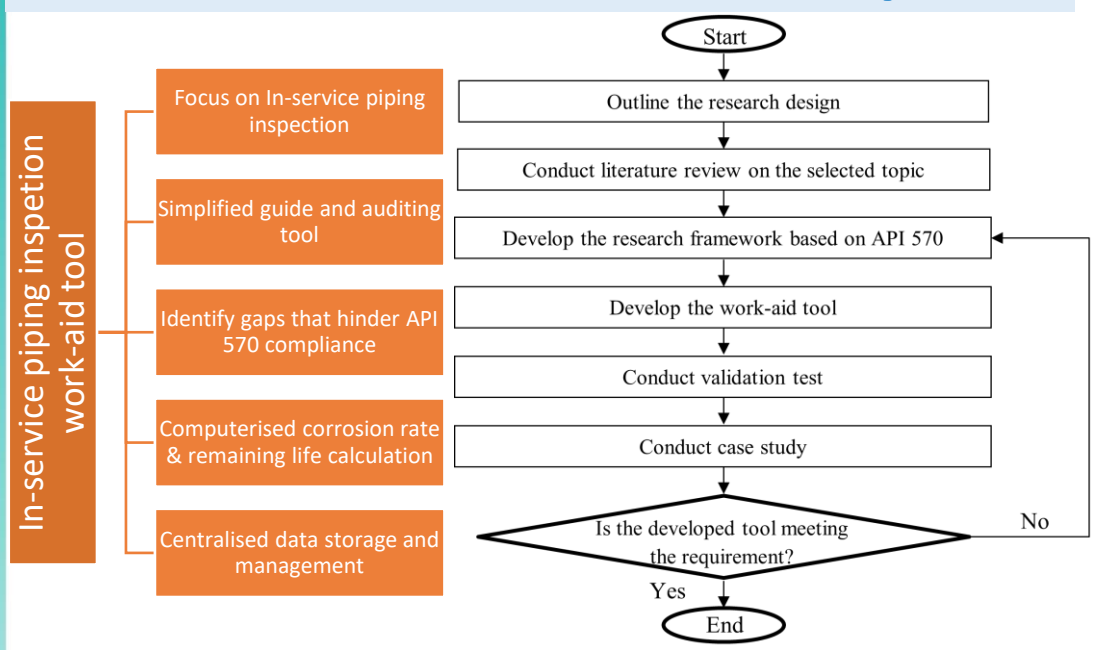


Objectives

- To develop framework for in-service piping inspection
- To develop work-aid tool for in-service piping inspection
- To validate te work-aid tool via case study

In compliance with API 570 Piping Inspection Code: In-service Inspection, Rating, Repair, and Alteration of Piping Systems.

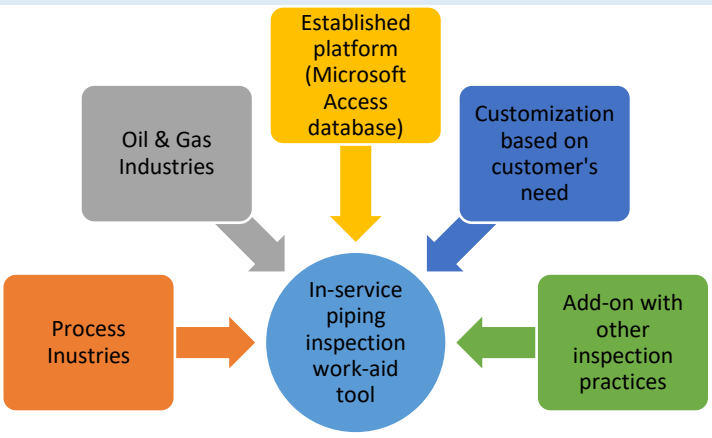
Innovation and Sustainability



Impacts and Benefits

- ✓ Organised and efficient data management for easy access by the user to improve operational performance and cost saving
- ✓ Comply with API 570 for in-service piping systems
- ✓ Simplified inspection guide and computerized calculation to save time
- ✓ Customizable report to suit the purpose of each report

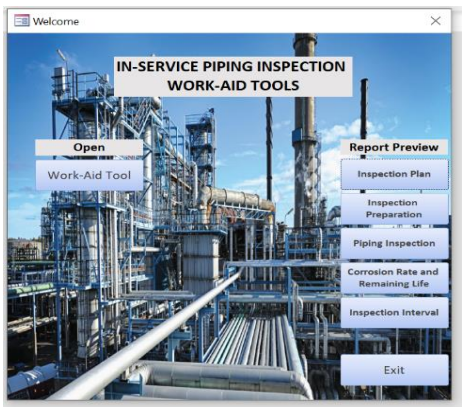
Potential Market & Business Model



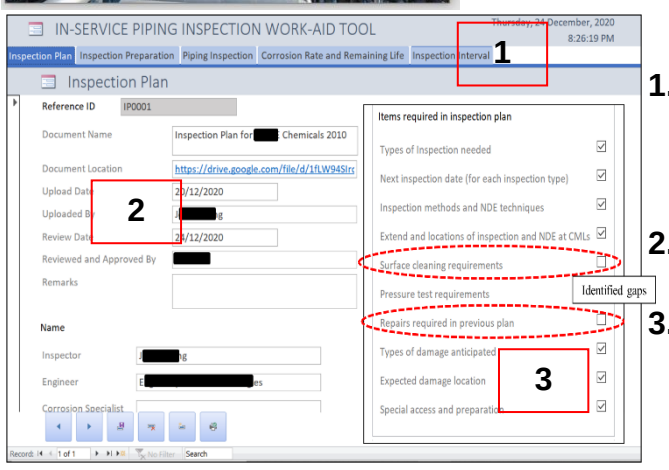
Current Achievement

- Reviewed and validated by Professional Piping Engineer

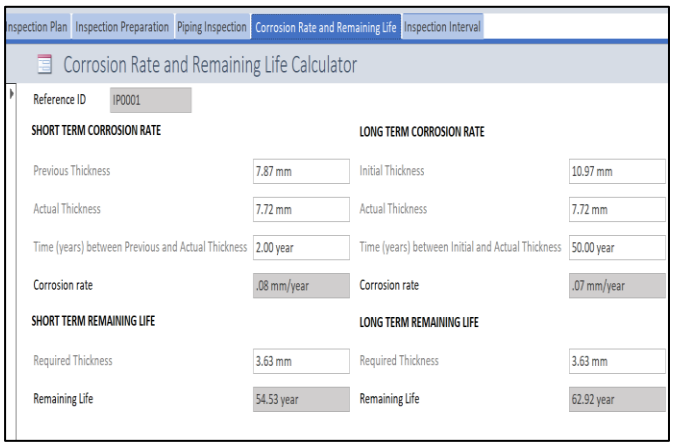
Technology and Product Description



Main navigator interface



1. Arranged interfaces – simplified guide
2. Data storage
3. Checklist – identify gaps/ compliance auditing



Computerised calculation

Customizable report