

## CASE STUDY: Asset Data Strategy

## UK Gas Utility

### Overview

An Asset Data Strategy enables businesses to ensure that appropriate and high quality of data is available for validating current investments, demonstrate the need for future investment and reduce Opex spend. This solution helped increase efficiency and reduce unnecessary costs.

### Highlights

- Holistic study of enterprise-level processes and data
- Ensured reliable data was available for accurate performance analysis and KPI reporting
- Effective management of safety and compliance performance by effective identification of exceptions

### The Challenge

Effective and Efficient management of Assets are a core function of utilities. The Regulator lays particular emphasis on management of asset data and usage of this data for operation of the network. With the new price control period and focus on customer service, it becomes imperative to manage and efficiently utilise asset data for regulatory reporting.

However, the aged systems, processes and data gathering techniques in use adversely affect the management of assets. The lack of coherent systems and processes lead to challenges in:

- Collation and consolidation of data
- Risk of utilising uncontrolled data
- Generation of poor quality data due to timely availability of correct data
- Insufficient business rules and inadequate business intelligence to bring efficiency

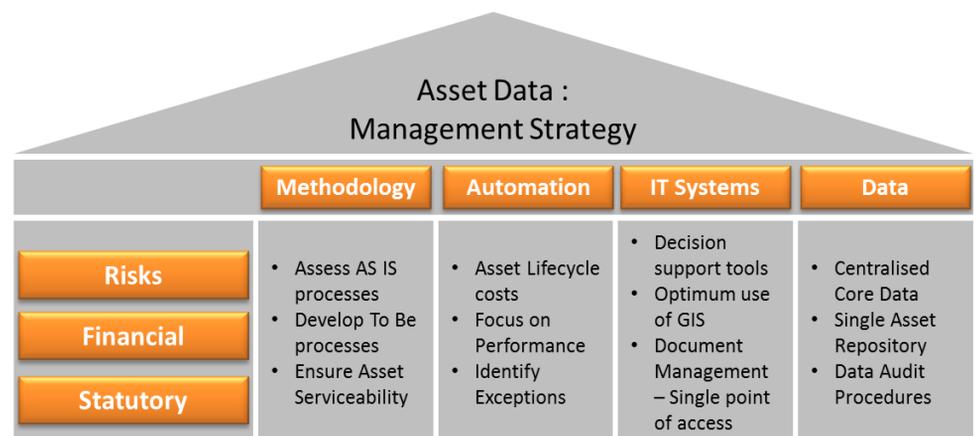
### The Enzen Approach to The Solution

In order to tackle the challenge of inadequate data to ensure continuous serviceability of assets and efficient management of operations, Enzen defined and evolved a standardised risk based strategy for Asset Data Management.

This approach streamlined the processes and data, thus enabling asset managers and practitioners to work effectively and efficiently on the data available. Strategy development involved

- Developing a risk based approach for identifying the data gaps across different asset groups
- Defining a scoring mechanism for risks
- Prioritising the risks and issues based on the agreed scoring mechanism
- Developing a high level programme plan of projects with indicative timelines & costs, gap analysis & high level recommendations

The framework to ensure accuracy and availability of asset data is depicted below:

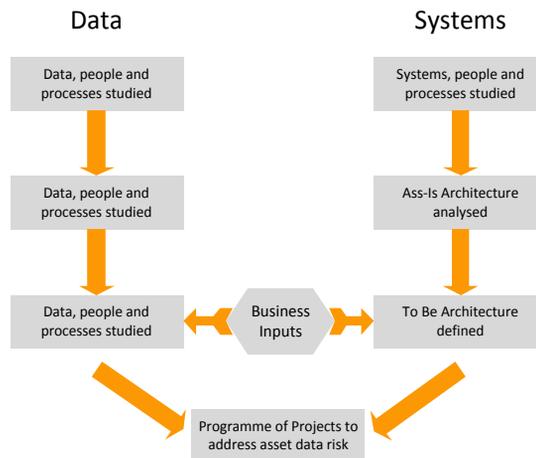


## Key Benefits

- Adherence to compliance requirements
- Assurance on investment in the right areas to satisfy investor financial requirements
- Ensure customer satisfaction in investment
- Greater customer satisfaction, and improved regulatory standings
- Cost of securing and managing quality data is minimised

## Solution Architecture

The Solution approach is summarised below:



- Producing investment strategies
- Defining effective maintenance regimes
- Ensuring serviceability of assets
- Optimising whole lifecycle costs
- Complying – statutory & regulatory
- Ensuring safety of staff and public

## Experience of a Gas Utility in UK

Enzen delivered the strategy and road map for Asset Management based on their knowledge of gas utility operational data, systems and processes.

The first phase of Asset Management Programme was scoped using a risk based approach, with focus on data, processes and systems across the organisation.

The strategy focussed on following key principles:

- ‘Single version of truth’ for asset data
- Consistency & Accuracy
- Usability
- Getting better value from GIS
- Reporting
- Being able to access documents

From the findings of the study, a set of 9 programmes consisting of business-oriented and IT-oriented projects were devised in order to set the platform for establishing risk based asset management methodology.

The outcome of the study increased the customer’s confidence in this approach, and they are now in the process of implementing the projects identified in 1<sup>st</sup> Phase.

