

# Development and Maintenance of Enterprise Service Application



## Client Overview

- The client is a renowned global manufacturer of heating, ventilation, and air conditioning systems for commercial and residential applications.

## Project Overview

- Indium assisted the client in transitioning their legacy .NET sales and service application to the Mendix low-code platform. This aided their personnel across countries in maintaining sales and service records for Equipment, Parts, and Buildings.

## Business Requirements

- Create dynamic templates tailored to each country's sales and service structure.
- Retrieve and manage large volume of data
- Ensure secure and efficient storage of customer data.
- Import data from legacy application into Excel.

## QA Scope

- Establish a streamlined QA process - Management, Execution and Reporting
- Parallel testing with development matching the requirement / architectural flow
- Ensure features match the customer need
- Testing on various environments

## Solutions

- To perform API requests dynamically in the application, Indium created a service configuration module where each module has a unique name for retrieving API data. This helped in seamless maintenance of the API configurations in the app.
- Indium utilized AWS ElasticSearch to retrieve large volume of data by storing them as a searchable document. These data are stored in Mendix Installed-base.
- Indium leveraged AWS S3 from Mendix App Store to build a scalable, retrievable, and secured storage of data on Mendix.
- Dynamically generated templates are integrated with XML configured BI Publisher in Oracle Analytics (OAC) and the reports are then exported to Excel.

## Tools



## Business Impact

- Migration from legacy application to Mendix improved the data processing time by **50%**
- Indium implemented **12 different languages** supported across **30 different countries**.
- **Self-service capabilities** for the end user through the configuration of BI Publisher.