



EPS Enterprise Analytics Solution

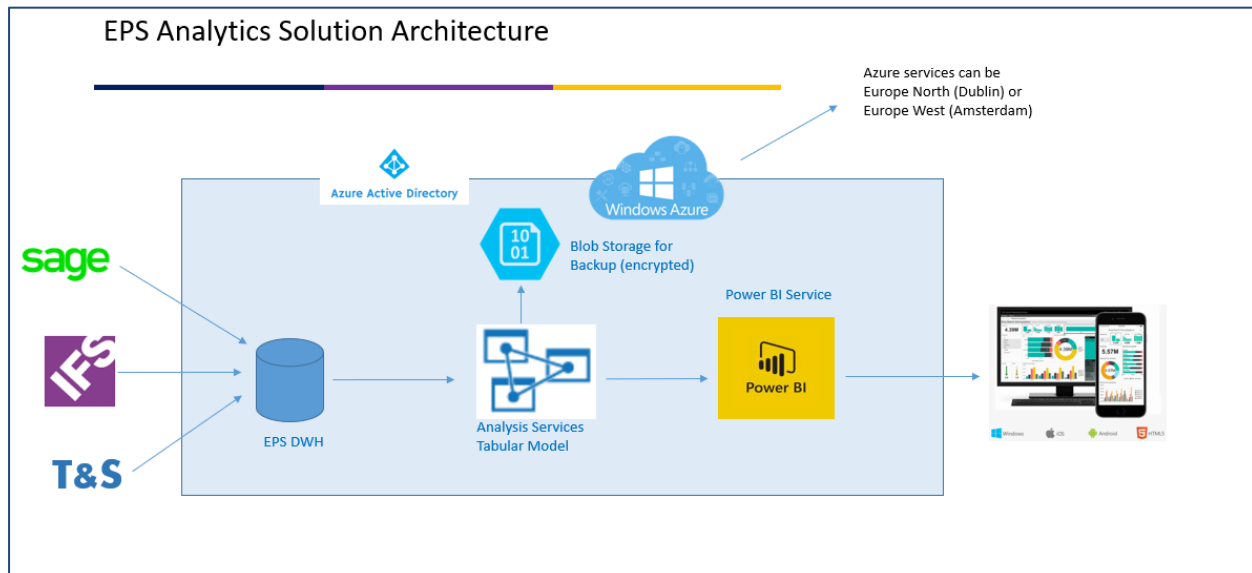
EPS is a trusted provider of innovative products, solutions and services to the water & wastewater sector with an annual turnover of over €105M and employ over 530 staff. EPS designs, builds and operates water and wastewater treatment facilities in Ireland and the UK. EPS exports to over 30 different countries worldwide.

To manage the business in today's increasingly volatile market EPS engaged ProStrategy to implement an Enterprise Analytics solution built on Microsoft Azure SQL & Power BI. The solution generates reports & insights to assist with operational and performance management across the following business areas: sales, manufacturing, projects, service, supply chain and HR.

The business functions are split into the lines of business

- Manufacturing – Buying, selling, light manufacturing
- Service – 'man in a van' on demand service and maintenance
- Contract Operations – operate treatment plants
- Project – municipal projects – design, engineer, build
- Sales – domestic product

The below diagram illustrates the architecture of the solution ProStrategy implemented. The solution integrates data from EPS' source systems IFS ERP, T&S HR & Sage Financials into an Azure SQL Data Warehouse with Power BI Analytics providing easy to use dashboards to business users via an intuitive graphical interface.



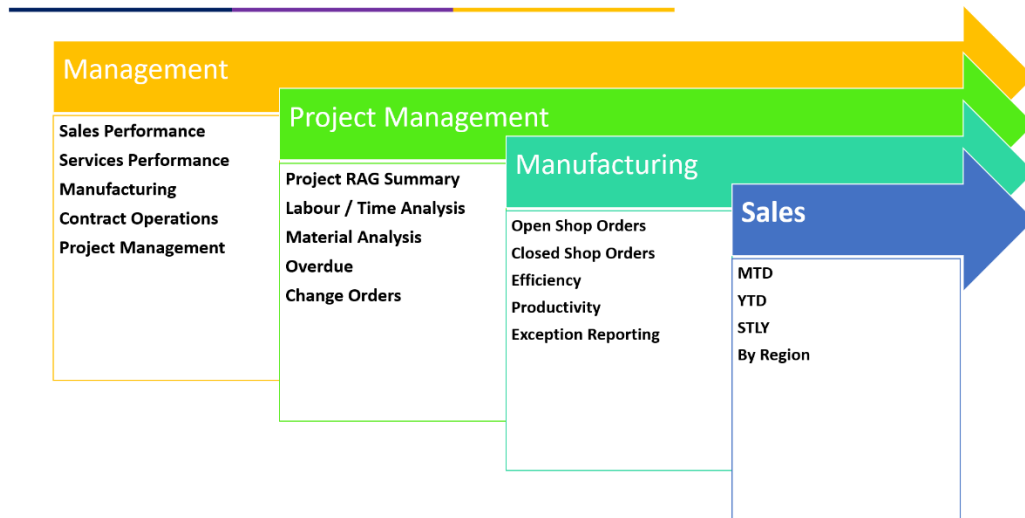
Implementation Project

The ProStrategy Team completed the following steps to deliver the EPS solution:

- Built EPS analytics data-warehouse which will ingest data from the various EPS data sources

- Developed and implemented an EPS data model which transforms the raw operational data so it is easily accessed and consumed.
 - Sales
 - Purchases
 - Projects
 - Snapshot – event triggered snapshot to be stored in DWH
 - Shop Orders
 - Work Orders
 - Stock
 - Time & Materials
- Created a suite of Power BI reports and dashboards with the ability to drill from summary level to the underlying details
- Implemented an analytics platform which enables self-service reports and dashboard creation

EPS Water- Example Persona Tiers



Utilising ProStrategy's proven delivery methodology, the EPS Project Team followed the below Phases

Solution Design

- Identify and review key data sources and tables
- Infrastructure
- Database
- Data Model
 - Transformations
 - Aggregations
 - Presentation Layer/Reporting Model

- Documentation

Database Build

- Infrastructure
- Staging
- Transform and Model Data
- Implement Time Intelligence
- Test

Reports and Dashboards

- Build Reports
- Apply Security
- Test
- UAT
- Handover & Training