

## 4-6 Week Engagement

### Pre-Requisites

Before the Project starts, Adfolks need to have the entire idea of the numbers of IoT, Scada and Pi Servers System. Manufacturing details, Scada parameter details. Adfolks will require the details of Manufacturing process and calculate each level of cost incurred

SAP, CRM, Oracle Tables should be exposed and identification of the KPIs from the Business side and what are the specific Tables required

Week wise work divisions

Week 1 :

- a. Register Industrial IoT to Azure IoT hub systems and check the Data Integration.
- b. Check the Pi Server integrations(Preferably fetching Data from SQL Servers )
- c. Scada extract fetch to Azure using Azure Batch Functions
- d. Commercial Data integrations like SAP, Salesforce etc
- e. Finalizing the KPI

Week 2:

- a. Creating a Universal Raw Data Lake on Azure ADLS system
- b. Populating Hot and Cold Data
- c. Implementing data transformation logic for Stream Analytics to create Live Dashboards on Power BI
- d. Creating commercial data lake and performing certain transformations based on KPI

Week 3

- a. Creating Business Technical Data Lake which convert all IoT, Scada, Pi Server Information to Business Level understandings
- b. Calculating commercial element in Business + Management Technical Dashboard
- c. iGeneration Intelligent Dashboard preparation and KPI finalizations
- d. Real Time Technical Dashboard for Business Go Live

Week 4

- a. Real Time technical Dashboard for Management Go Live
- b. Business Batch Technical Dashboard Go live
- c. Management Batch Technical Dashboard Go Live
- d. iGeneration intelligent Dashboard KPI calculation and creating relationship between Business Technical +Commercial

Week 5

- a. Business Batch Commercial Dashboard Go Live
- b. Management Commercial Dashboard Go Live
- c. iGeneration forecasting initial ML Service integration and forecasting
- d. iGeneration Intelligent Dashboard building starts

## Week 6

- a. IGeneration intelligent Dashboard go live
- b. ML Services Automation starts for Faults, maintenance requirements, sales etc
- c. Cloud Services API exposed
- d. Social Media Data Integrations