

PROJECT DESIGN

Problem Solution Fit

Problem – Solution Fit Template:

The Problem-Solution Fit ensures that the solution effectively addresses the customer’s problem. It helps business analysts, data professionals, and corporate decision-makers identify behavioral patterns and understand the effectiveness of their solutions.

Purpose:

- ☐ Enable data-driven decisions to optimize pricing strategies, mitigate risks, and enhance investment outcomes.
- ☐ Improve consistency in data integration and expand access to historical data
- ☐ Provide actionable insights to address the challenges of complex economic interdependence
- ☐ Standardize regional inflation data reporting to enhance accuracy and comparability.
- ☐ Increase business confidence by supporting strategic decisions with comprehensive ,real-time data visualization.

Template:

Problem-Solution fit canvas 2.0		Purpose / Vision	
Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS Multinational corporations operating in diverse markets. Business analysts, financial experts, and corporate decision-makers.	6. CUSTOMER CC Inconsistent regional data reporting formats Scarcity of reliable historical data Limited Expertise in advanced data Visualization	5. AVAILABLE SOLUTIONS AS Manual data aggregation from different regions Relying on external economic reports Using basic spreadsheet analysis with limited visual capabilities
	Focus on I&P, map into BE, understand RC	2. JOBS-TO-BE-DONE / PROBLEMS J&P Optimize pricing strategies and mitigate financial risks Enhance investment outcomes through data-driven insights Overcome Inconsistent data integration and limited historical data availability Address challenges of complex economic interdependence.	8. PROBLEM ROOT CAUSE: RC Inconsistent data reporting standards across regions Limited access to comprehensive historical data Complex economic interdependencies
Identify strong TR & EM		3. TRIGGERS TR Sudden inflation spikes in specific regions. Reports of currency depreciation affecting investment return.	10. YOUR SOLUTION SL 1. Power BI solution integrating and standardizing inflation data. 2. Real-Time dashboards displaying inflation trends and dependencies. 3. Predictive models for risk mitigation and Pricing Optimization. 4. Automated data extraction and transformation for consistency. 5. Clear visualizations for informed ,strategic decisions
	4. EMOTIONS: BEFORE / AFTER EM Before: Uncertain, anxious about making inaccurate predictions. After: confident, empowered with accurate ,real-time insights.		

Proposed Solution

Project team shall fill the following information in the proposed solution template.

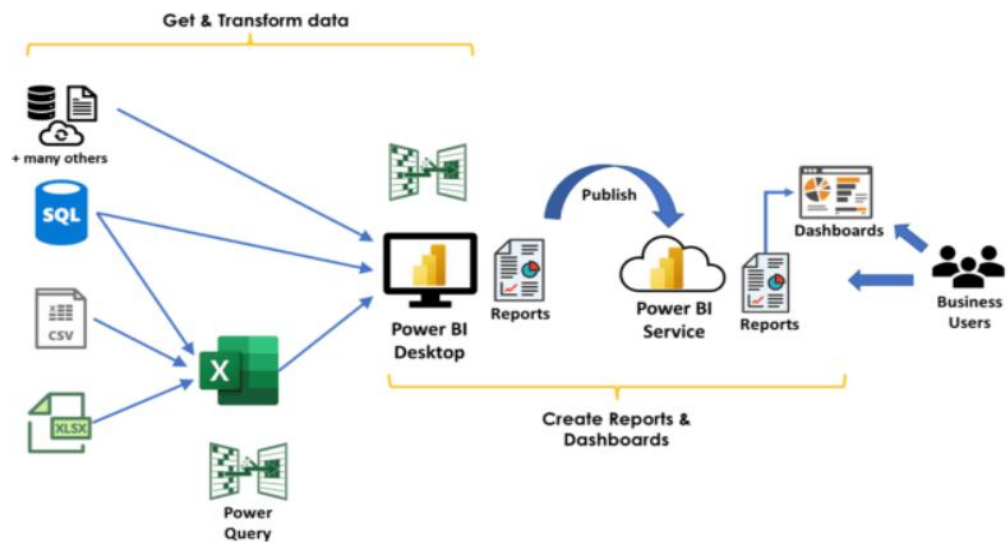
S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The Corporation struggles with inconsistent data integration ,limited historical data ,and complex economic interdependence,making data-driven decisions challenging
2.	Idea / Solution description	Develop a power BI solution to integrate and standardize inflation data,visualize trends and enhance predictive insights for strategic decision-making
3.	Novelty / Uniqueness	Combines real time dashboards,automated data extraction,and predictive modeling to create dynamic and insightful visualizations
4.	Social Impact / Customer Satisfaction	Enables better pricing strategies,risk mitigation,and investment decisions,leading to improved market adaptability and customer satisfaction
5.	Business Model (Revenue Model)	Leverages data analytics as service model to offer insights and decision-making tools,enhancing profitability through data-driven strategies
6.	Scalability of the Solution	The solution is scalable to include additional economic indicators,global regions ,and custom metrics,supporting future business expansion

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- ✓ Find the best tech solution to solve existing business problems.
- ✓ Describe the structure, characteristics, behavior, and other aspects of the Power BI solution to project stakeholders.
- ✓ Define features, development phases, and solution requirements.
- ✓ Provide specifications according to which the solution is defined, managed, and delivered.

Solution Architecture Diagram:



Architecture and Data Flow of the Power BI Inflation Analysis project