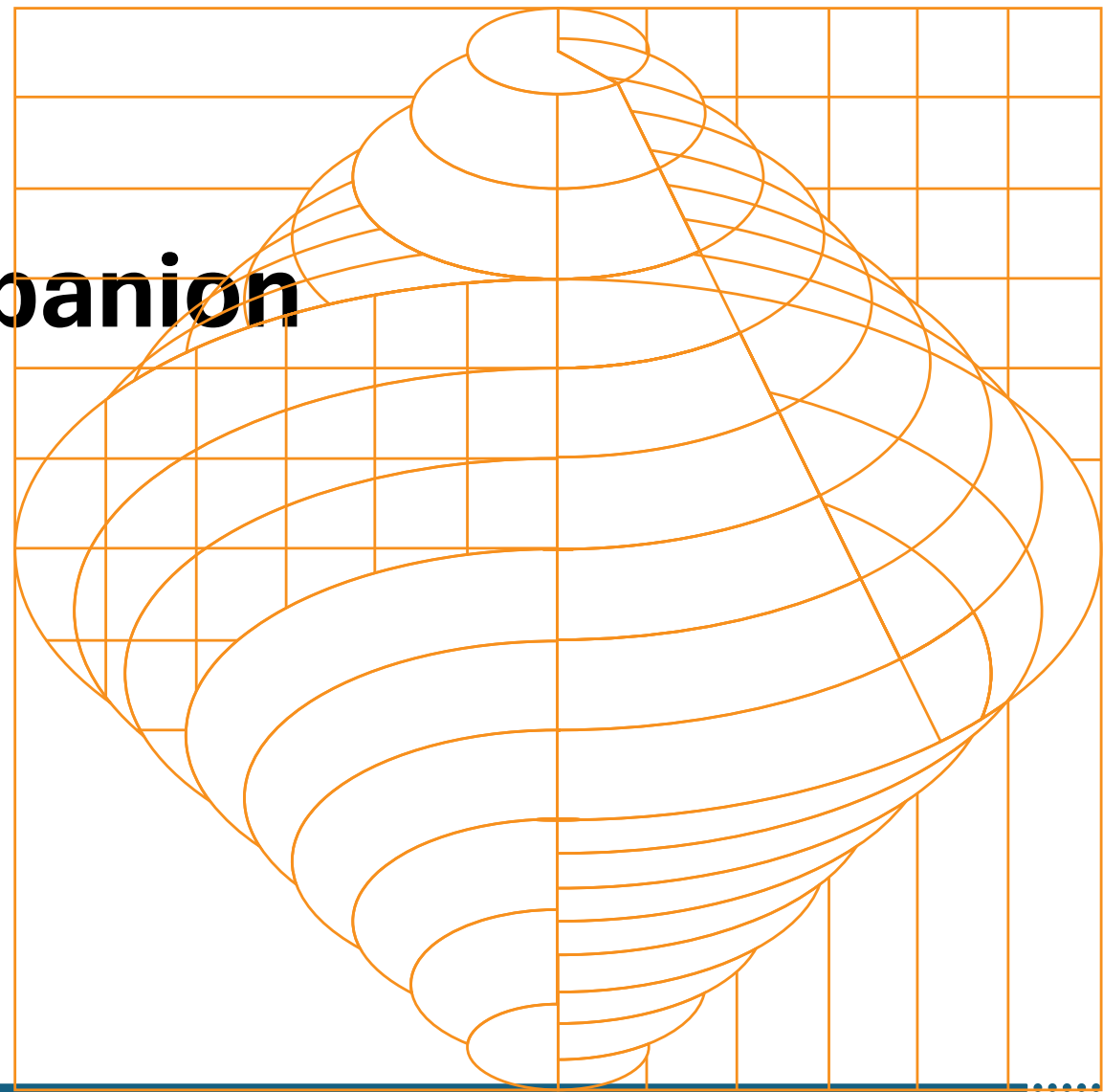# Production Manager Companion

[AI for Manufacturing]

Tiger Analytics

About the Solution
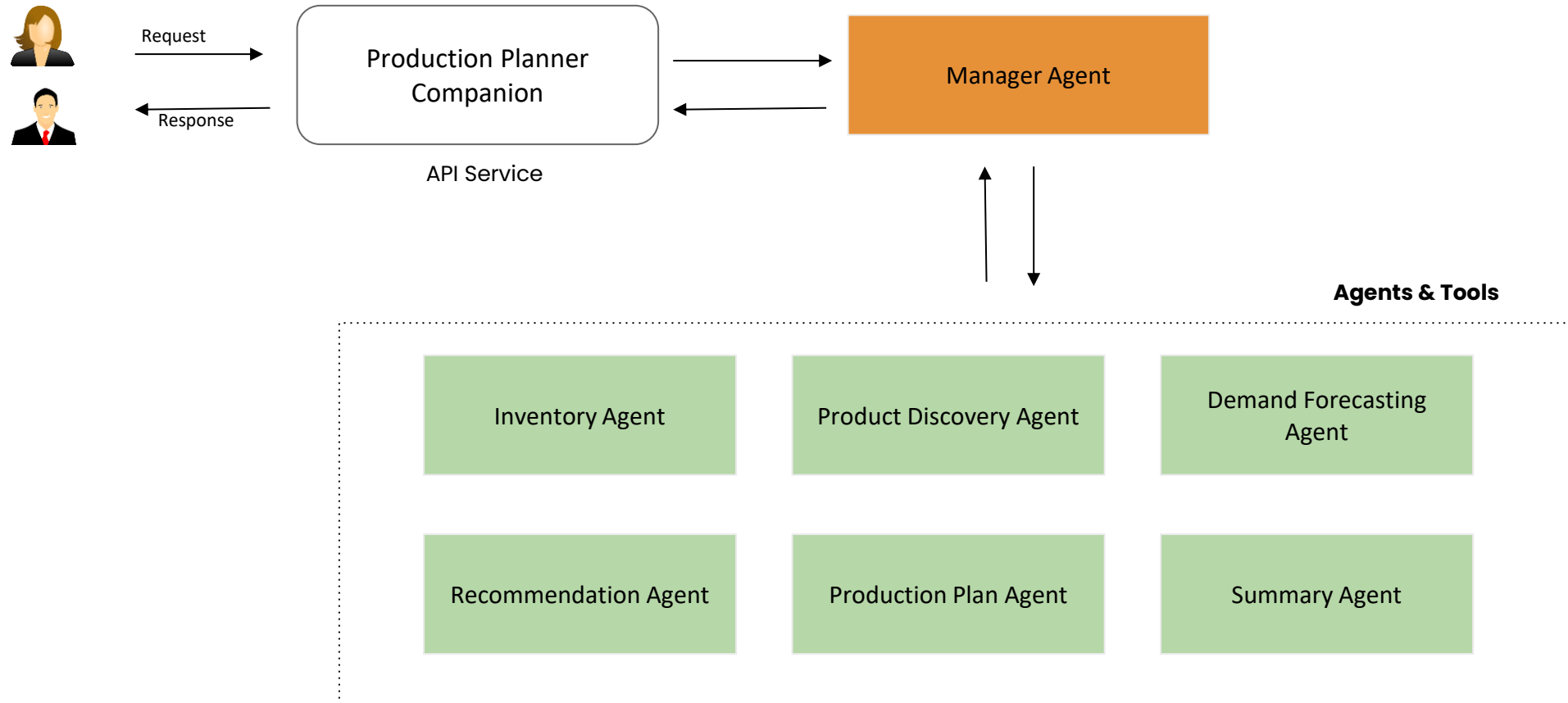
Production Manager Scheduling Companion

Enabling Production Manager to access inventory details, demand forecasting results, and arrive at the optimal capacity planning for the next batch of production in manufacturing domain.

Since production capacity planning and scheduling involves a multitude of steps and thoughts flowing from Supply and Demand side, we attempted to bring in a companion which can ease the work and assist as required.
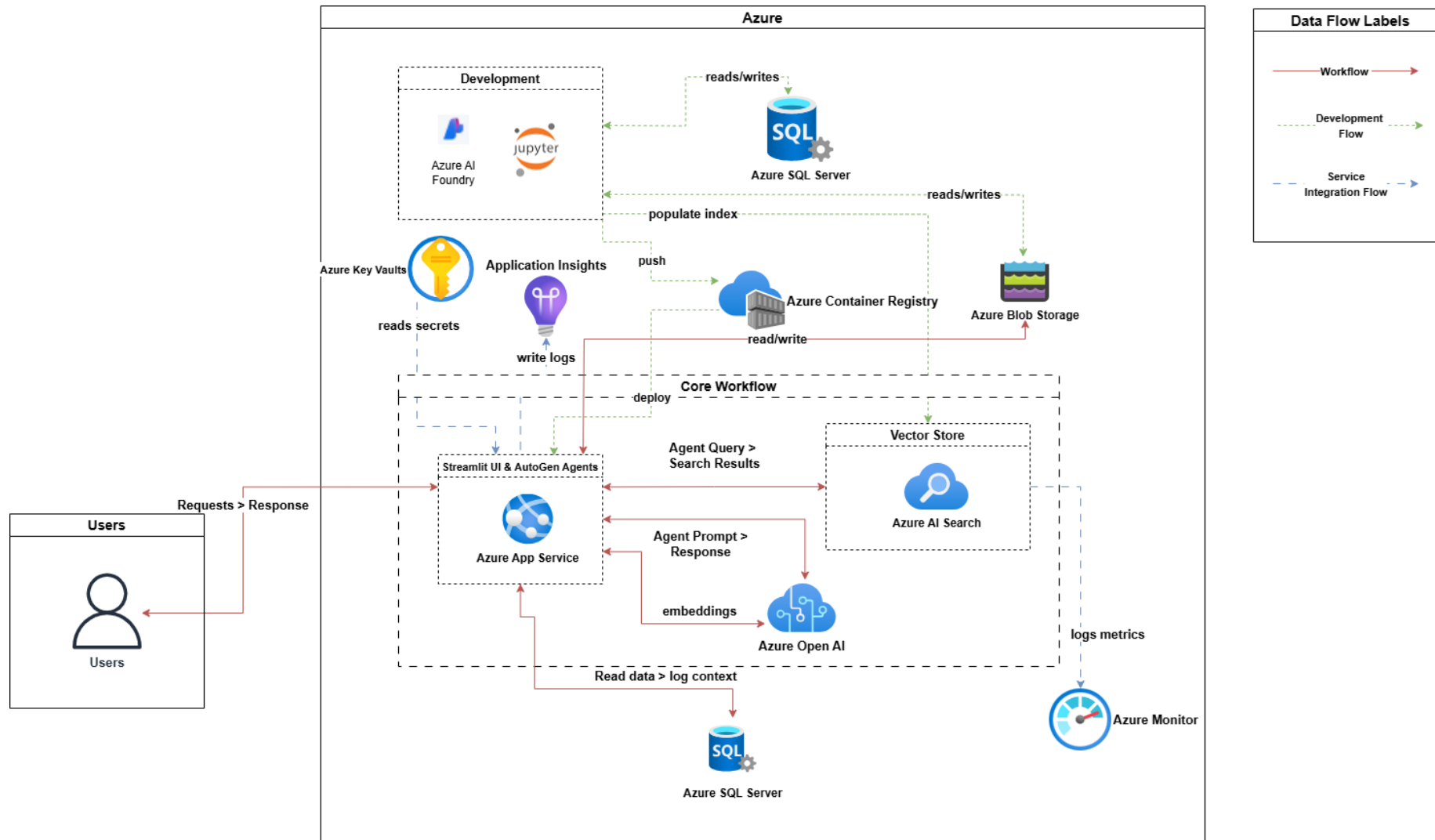
We have built a Multi-Agent System on AutoGen to achieve the tasks. The solution consists of Manager Agents orchestrating a diverse set of custom domain specific agents like Product Discovery Agent, Demand Forecasting Agent, Optimization Agent, etc.,

Solution Architecture

Technical Architecture

Evaluation Criteria

Below areas would be referred during evaluation

Criteria	Weightage (%)	Score (1-10)	Weighted Score
Innovation	25%	[Score]	[Calculation]
Impact	25%	[Score]	[Calculation]
Technical Execution	20%	[Score]	[Calculation]
Scalability	15%	[Score]	[Calculation]
Presentation	15%	[Score]	[Calculation]
Total	100%		[Total Score]