THE PATHWAY TO MEANINGFUL AI

A practical approach to AI Agent use case ideation, validation and rapid AI solution development, driving real-world continuous value realistion for the business.

Getting value **from AI**

High on the strategic agenda of every organisation is the desire to do something meaningful with artificial intelligence. However, knowing where to start and how to select the right use case is a real challenge and even once the use case has been agreed, getting business value from experimentation with AI can often add to the frustrations.

At Synapsewerx, we have a proven, structured approach to AI use case ideation with our free half day Meaningful AI Workshop. We then take your candidate AI use case into an AI Bootcamp where we work with you to validate the viability of the use case. Finally, we move into an Accelerated AI Agent stage for rapid solution development and benefits realisation. The Synapsewerx approach to AI implementation reduces the risk with AI Agent experimentation, controls costs and maximises the opportunity for continuous business value realisation.

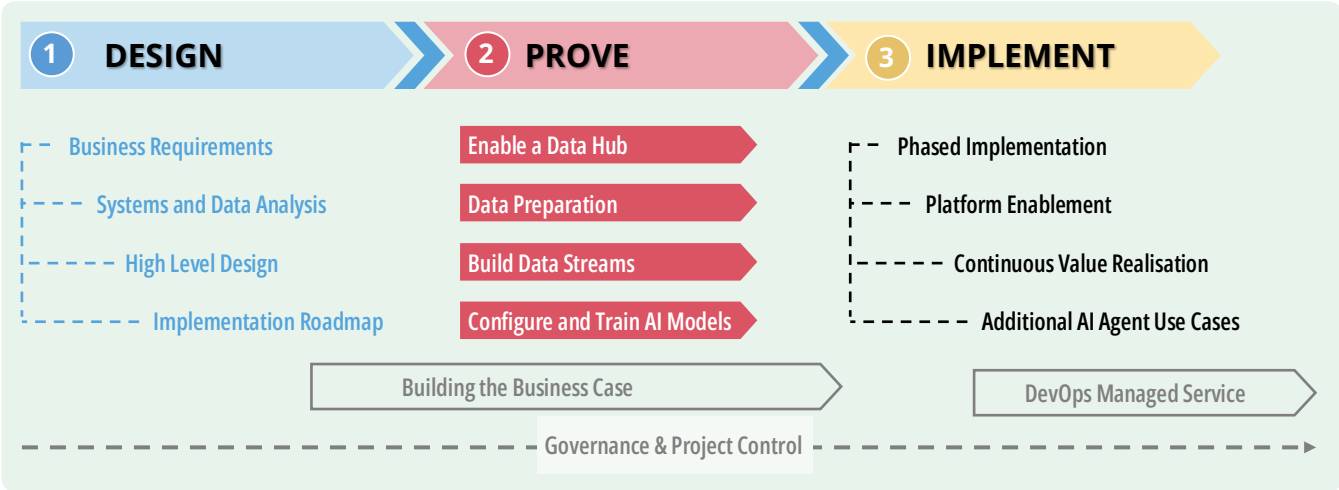| Meaningful AI workshop	AI Bootcamp	Accelerated AI Agents
• Why AI is important to your business and your competitive strategy	• Model selection and outline training in a sandbox environment	• Rapid solutioning, AI/ML model refinement and detailed design
• The context of AI, the types of AI & ML and how to select the right AI subset and model	• Representative sample data	• Curation of training data, model training, AB testing and model tuning
• Ideation of use cases, specific to your business, your data and your processes	• Customer IT & Business SME engagement	• Design and build of supporting data and integration pipelines
• Use case selection and the identification of a candidate AI use case	• Optional: 3rd party vendor engagement as needed	• Evaluation of ML Model, overall solution and business benefits
	• AI Agent evaluation by business and IT stakeholders	• Support in the creation of a business case for production implementation
	• AI Agent qualification and go/no-go decision for next stage	

Real-time business **decisions**
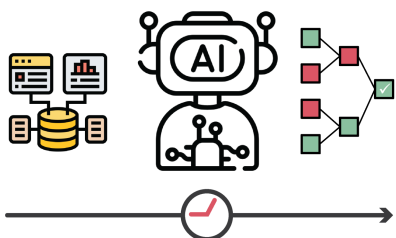
The rapid emergence of AI has forced business leaders to consider the opportunity to operate a business in real-time, using AI Agents embedded within enterprise workflows to consume core business data and action the best outcomes immediately. But this kind of operational AI Agent can only operate effectively if it has access to accurate, high-quality data in real-time. And it is here that milliseconds matter.

Accelerated **AI Agents**

The rapid design, development, training, tuning and evaluation of an operational AI Agent within a pre-production environment within as little as 8-12 weeks. Defining a business case and an implementation plan to rapidly move the solution into the production environment.

1 **DESIGN**	2 **PROVE**	3 **IMPLEMENT**
Business Requirements	Enable a Data Hub	Phased Implementation
Systems and Data Analysis	Data Preparation	Platform Enablement
High Level Design	Build Data Streams	Continuous Value Realisation
Implementation Roadmap	Configure and Train AI Models	Additional AI Agent Use Cases

Building the Business Case

DevOps Managed Service

Governance & Project Control

By repeating steps 1-3, this rapid and iterative process creates the foundation for a long-term strategy by delivering a mechanism for ongoing learning, which can see the organisation building its skills to take on increasingly challenging – and rewarding – AI projects.

Sub-types of **AI**

Multimodal Models
An AI that can process and integrate multiple types of data sources.

Machine Learning
A method where algorithms learn patterns from data enabling predictions or decisions.

Computer Vision
An AI that can interpret and understand visual data from the world.

Deep Learning
A subset of ML that uses neural networks with many layers to automatically learn.

Natural Language
NLP enables machines to understand, interpret, and generate human language.

Statistical Modelling
Involves using mathematical models to represent and analyse relationships within data.

Generative AI
Generative AI is a popular branch of artificial intelligence that creates new content, such as text, images, video or audio, by learning patterns from existing data and generating outputs that resemble the original inputs.

AI **Agents**

An AI Agent is an intelligent software entity designed to autonomously perform a specific task by using data about its environment and making autonomous decisions to achieve specific goals. They can interact with users, systems, and other Agents, often operating within predefined rules or optimising for certain outcomes. In enterprise environments, AI Agents streamline operations by automating decision-making processes, enhancing customer interactions, and optimising resource management. They enable businesses to harness real-time data insights, drive innovation, and improve efficiency across complex systems.

Richard Neeson
Commercial Director
richard.neeson@synapsewerx.com
+61 497 847 567

Carlos Iturria
CTO & Chief Architect
carlos.iturria@synapsewerx.com
+61 449 588 440