

# Generative AI foundation to Real World use cases

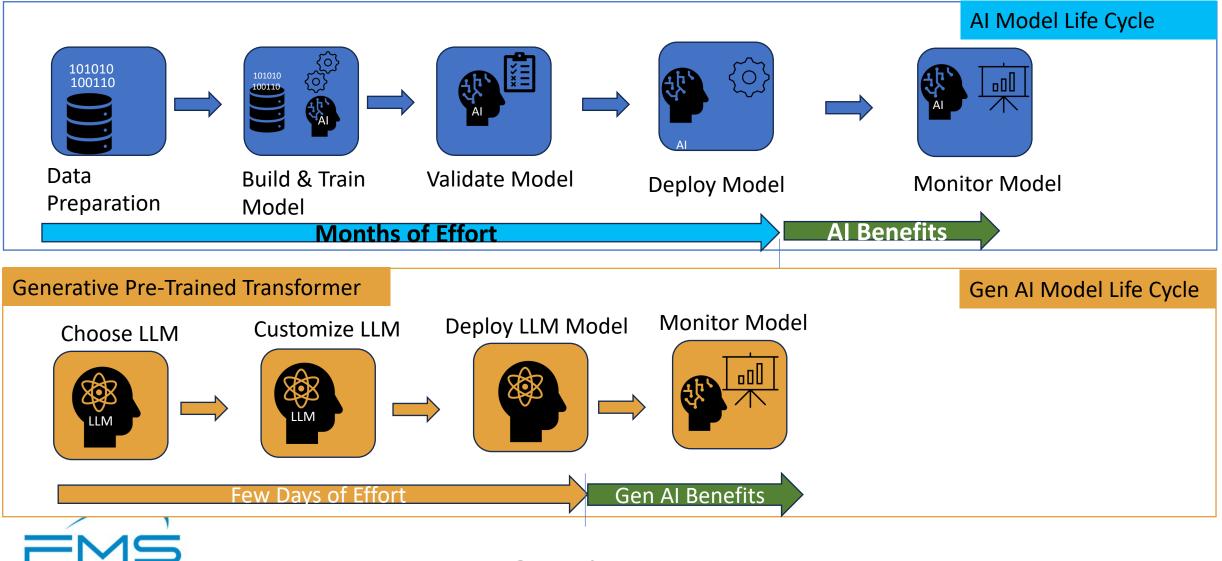
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#### AI VS Gen AI Life Cycle



#### Key Pillars to Generative Al





Enterprise Use Cases & Business Outcomes

Gen Al Stack Hardware + Software



Security & Regulatory Compliance



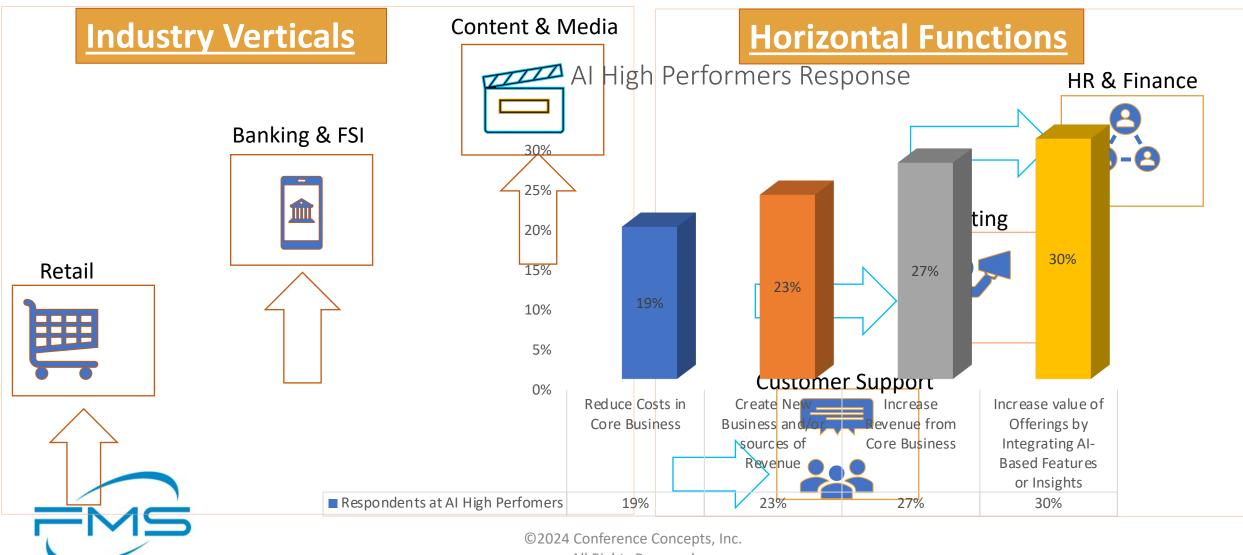
Finops for Gen Al Cost of Development & Serving Cost of Scaling



New Trends & Upto-Date

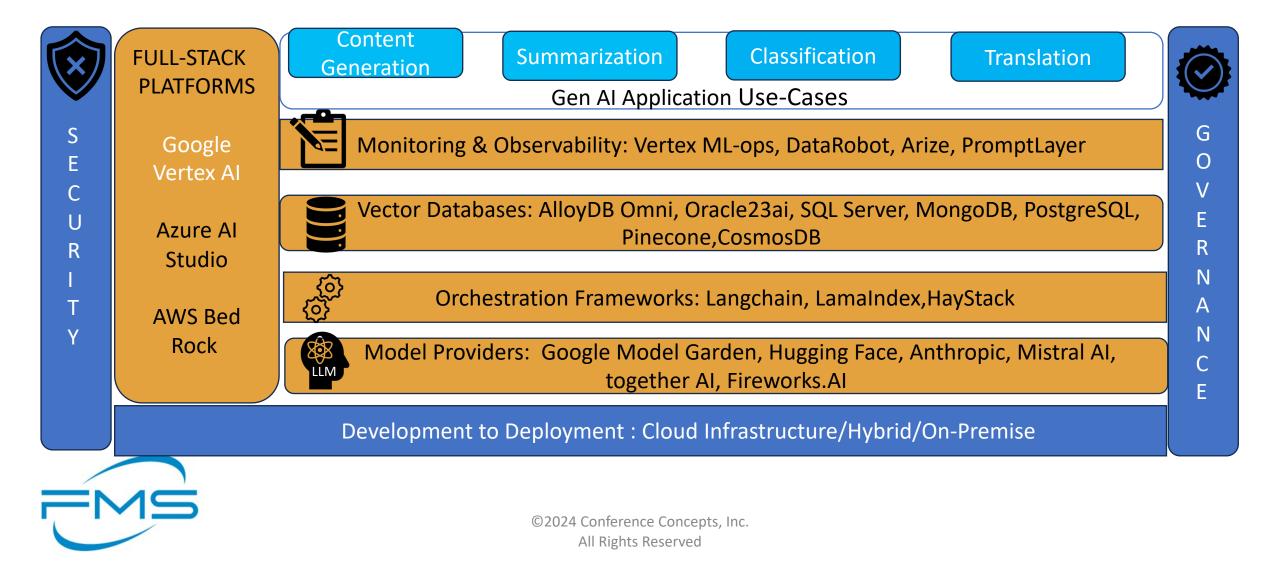


# Gen Al Opportunity Everywhere

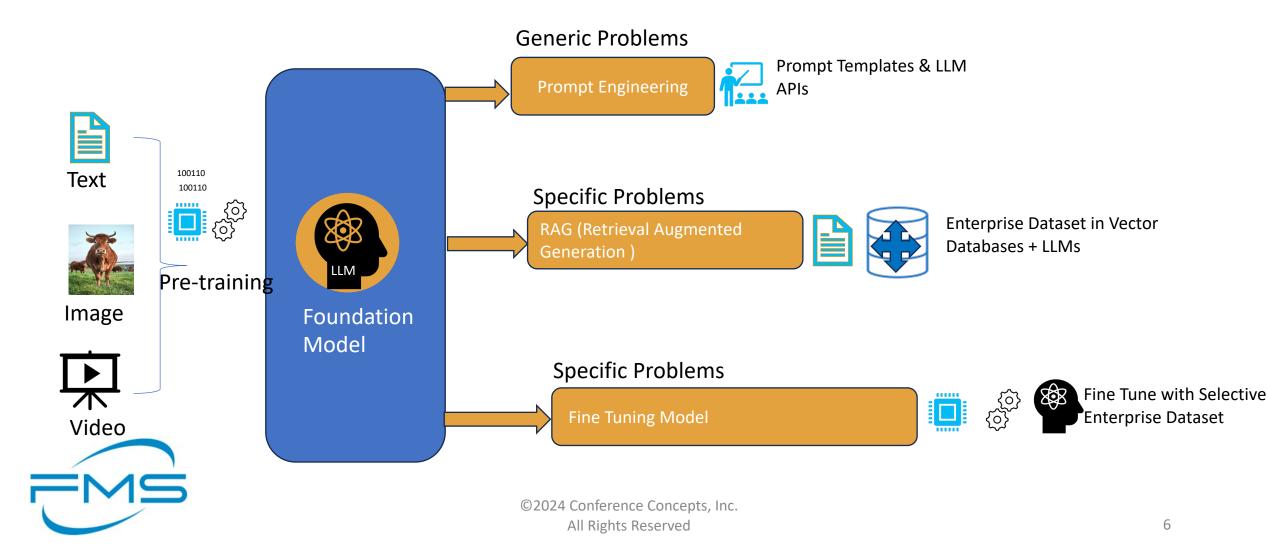


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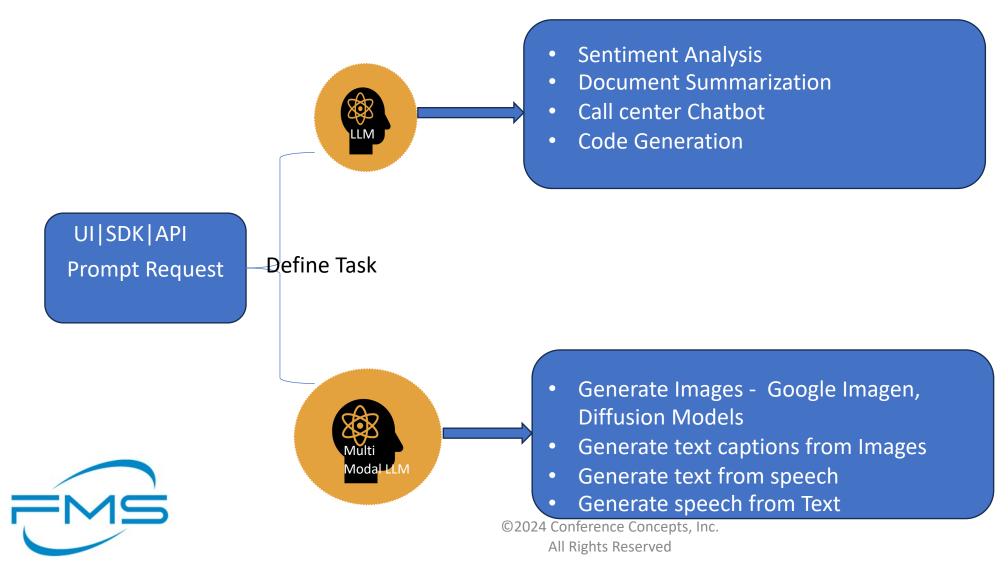
#### Gen Al Stack



#### Gen AI : Adoption Maturity



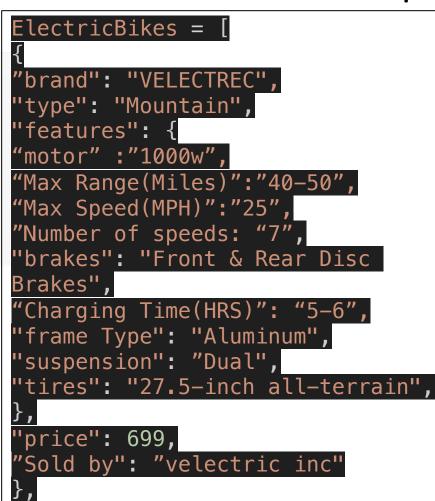
#### Prompt Engineering – Use cases



#### Electric Bike Chatbot Example





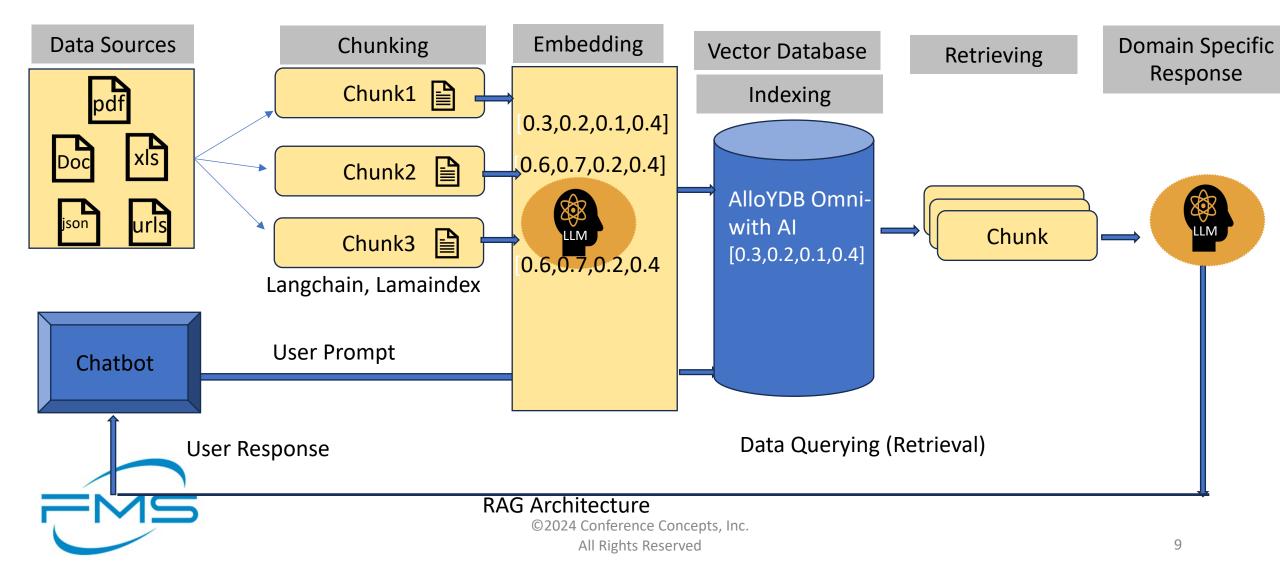


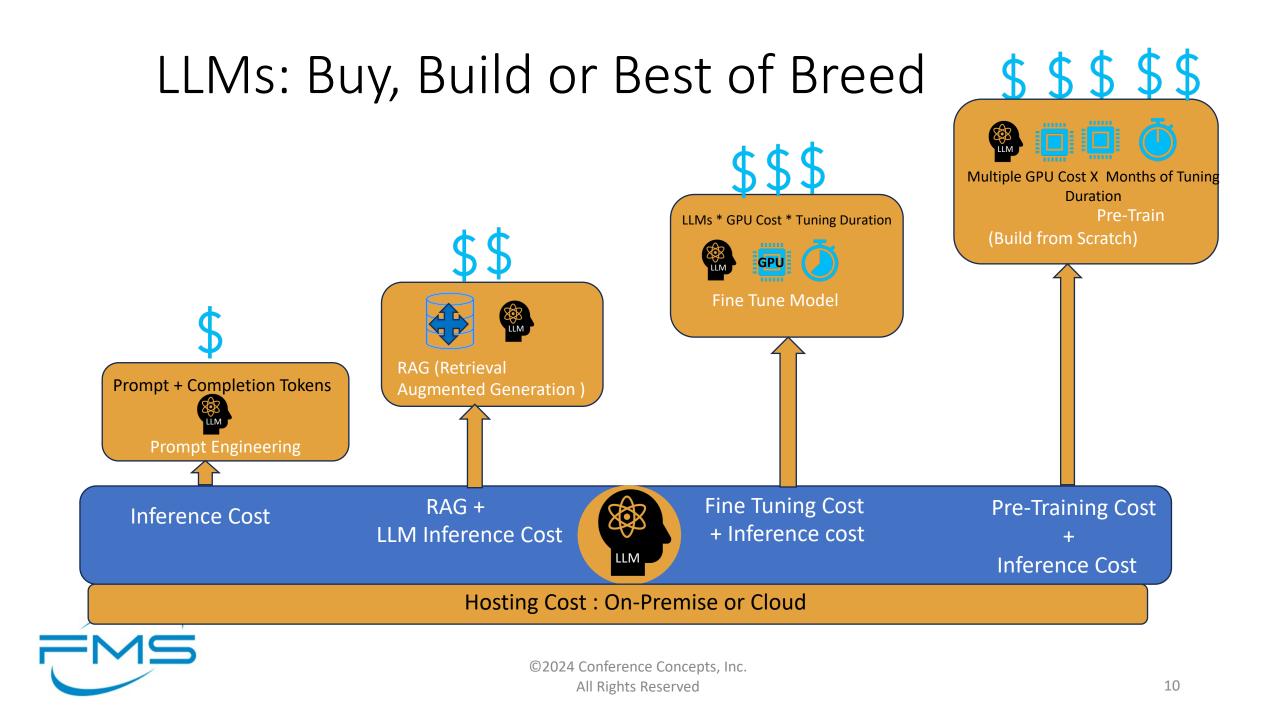
#### **E-Bike Conversation Assistant:**

List Bikes: Provide list of latest models bikes matching customer query:Price,Range, Charging Time etc addToOrder: If the Bike on the list do addToOrder, then summarizeOrder, then confirmOrder.

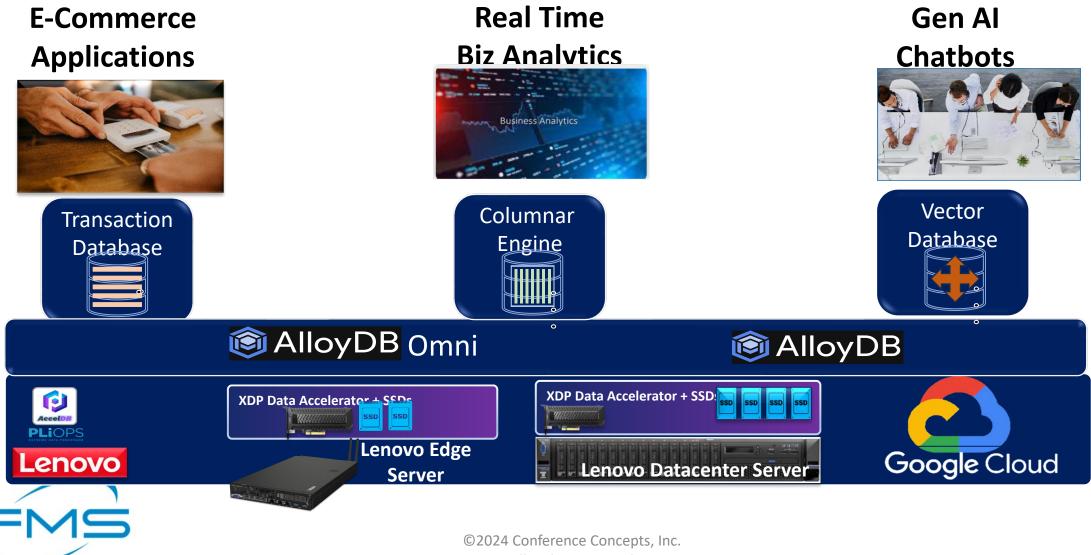
changeItem: Replace bike with another type: Range, Price summarizeOrder: If the customer has added to the order, list each menu item and modifier added to the order. If there has been nothing ordered, redirect. confirmOrder: Ask the customer to confirm the order details are correct. finishOrder: Tell the user the order has been sent to the Delivery

# AlloyDB AI – Vector Database



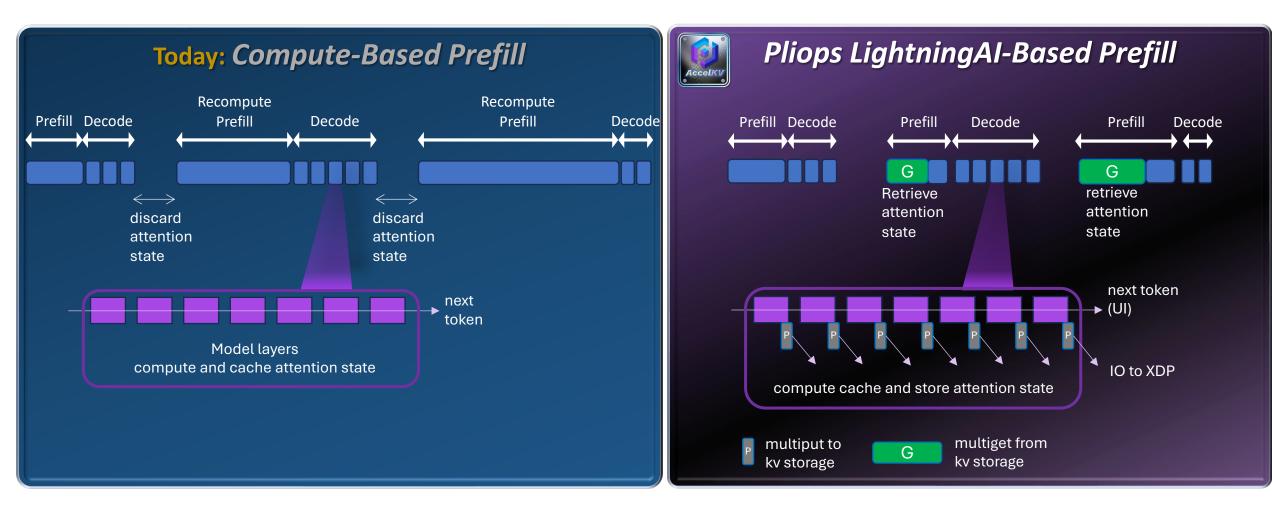


## One Platform: OLTP/Analytics/Gen Al



#### Long-Context Attention

conversation or multi-shot task agent prefills attention score based on expanding history



### Summary & Q/A

- Gen AI is rapidly adopted in Enterprises
- Identifying the use case and business outcomes is the key
- Building skillset for Gen AI adoption maturity is critical
- Enterprises has to focus on Fin-ops for Gen AI
  - Building the Gen AI LLM solution
  - Serving the Gen AI LLM Solution

