



EDB

Postgres for the AI Generation

Postgres for Enterprises: From Transactional Databases to Sovereign AI

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GKN Powder Metallurgy

- World leader of Powder Metallurgy
- Supplier for Automobile Industry
- Locations in Germany, Italy, USA, India, etc.
- 5000+ People
- Business:
 - Sintering (Sinter Metals)
 - Production of metal powders (Hoeganaes)
 - 3D Printing with Metal (Metal Additive Manufacturing)

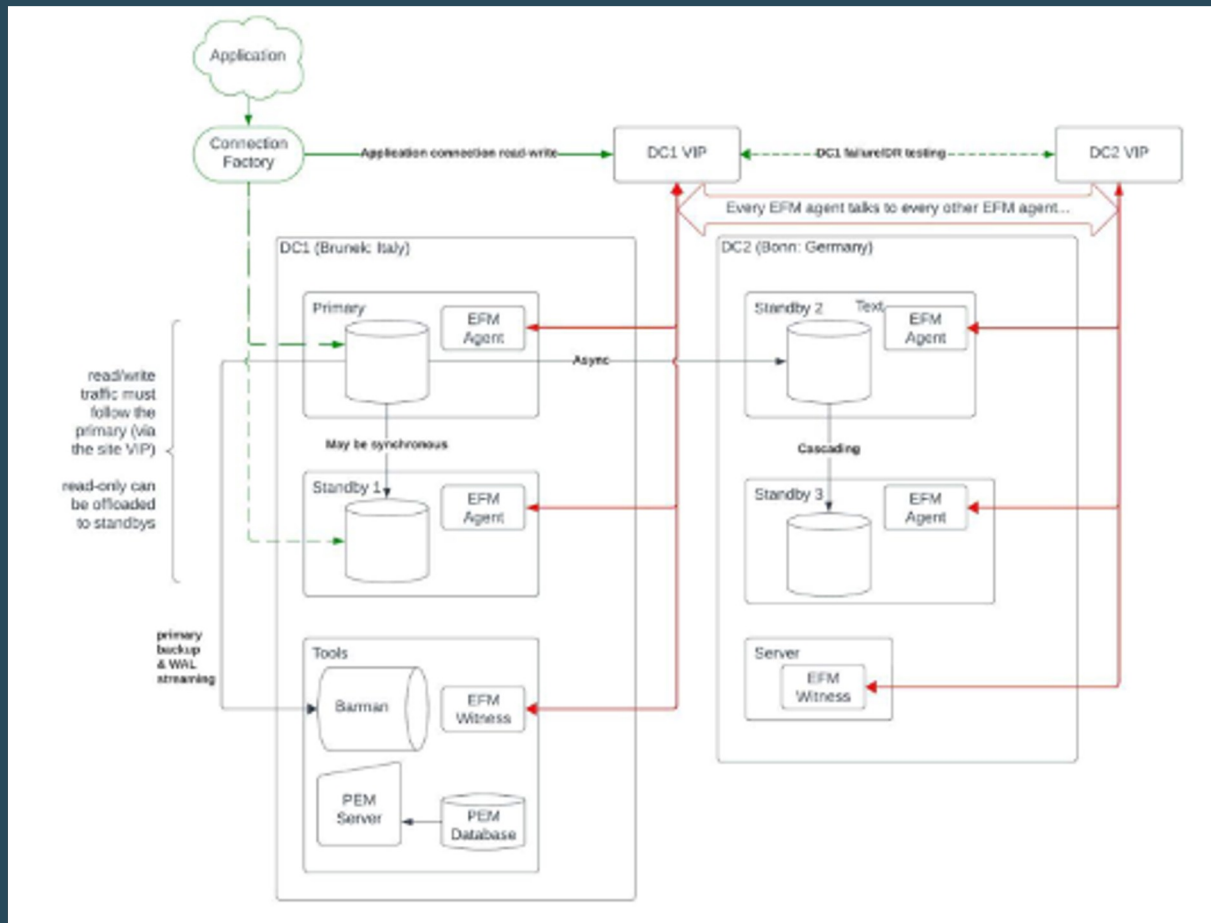


Migration to Postgres – Overview

- Initial situation
 - BI System designed by GKN itself
 - Development started 2005 and still ongoing
 - Divided on three Oracle Enterprise Databases and one Standard
- Reason to move
 - Last own designed Software on Oracle
 - Scope of functions
 - Cost efficiency
 - Support of Postgres Databases
 - Performance increase



Migration to Postgres – Architecture

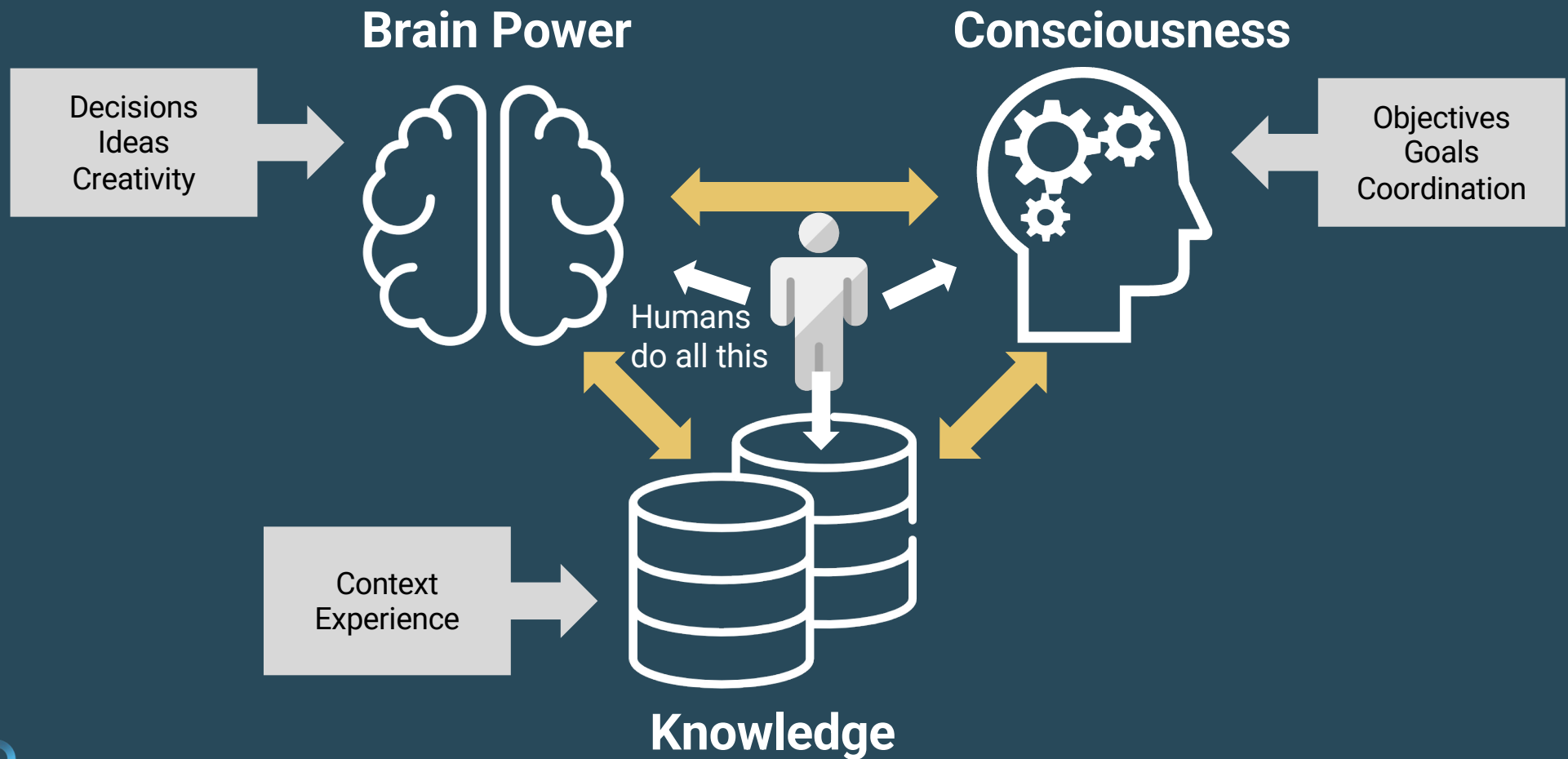


Migration to Postgres – Next Step: AI

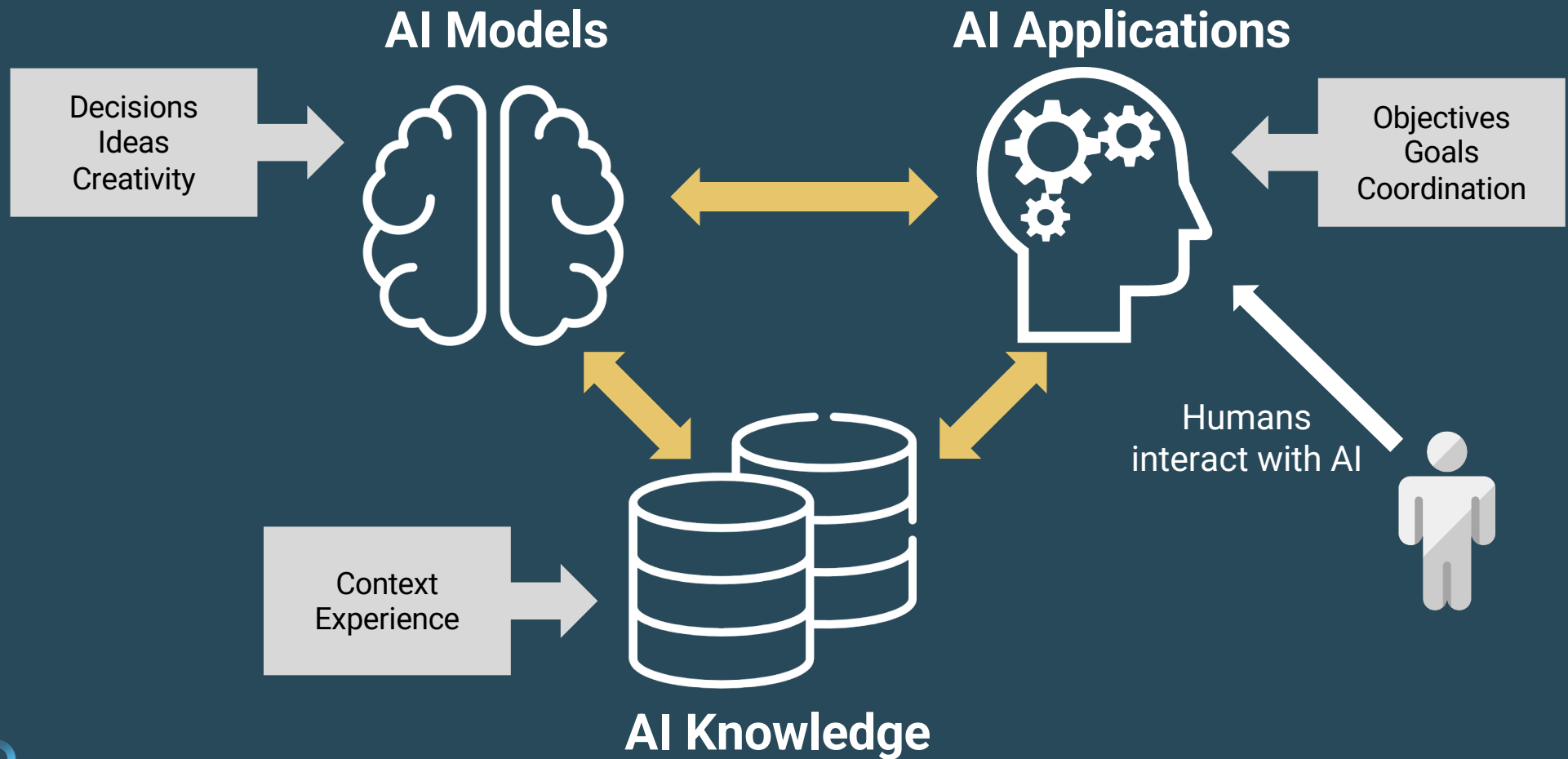
- Goal to integrate AI into our daily processes
- Reasons:
 - Make better use out of our Data
 - Automation
 - Efficiency
 - Etc.
- Why work together with EDB:
 - AI Platform on premise
 - Good experience in collaboration



Human Intelligence

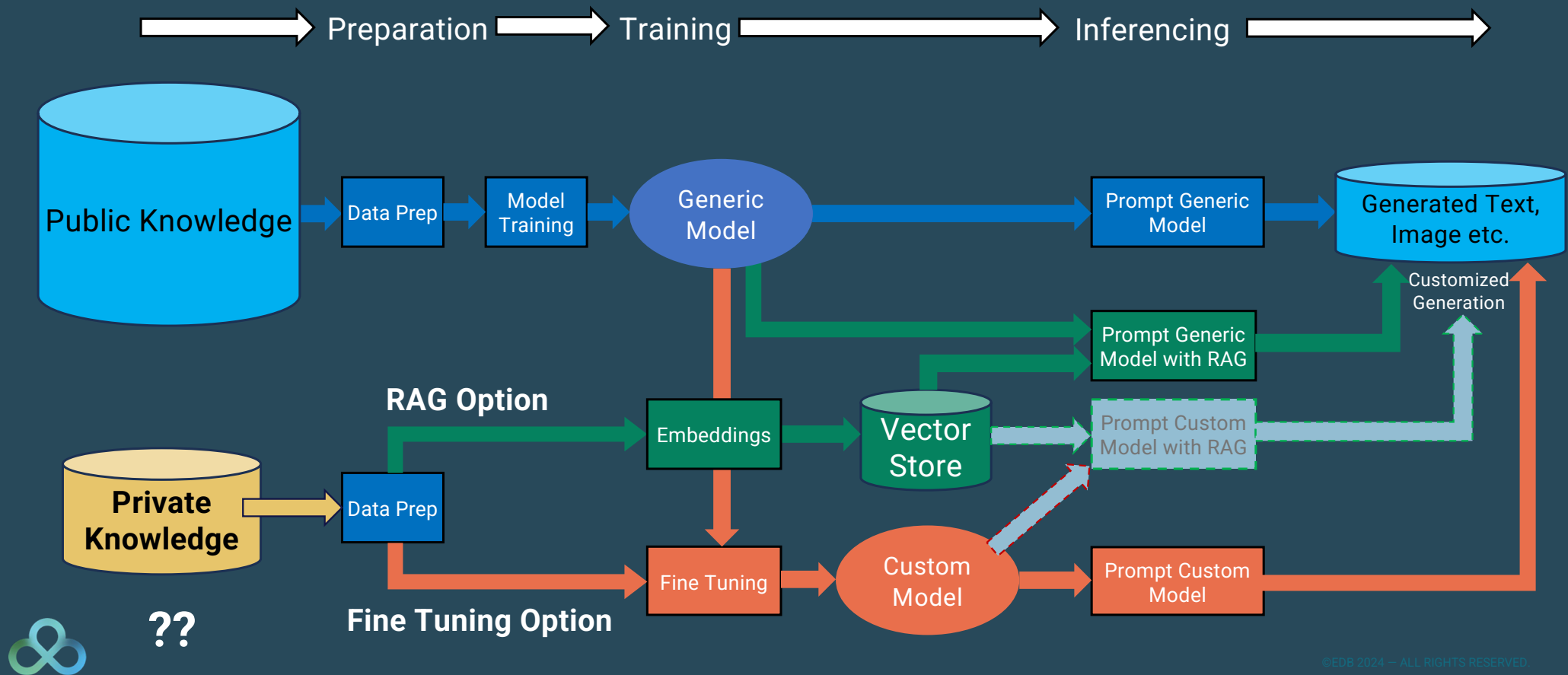


Artificial Intelligence

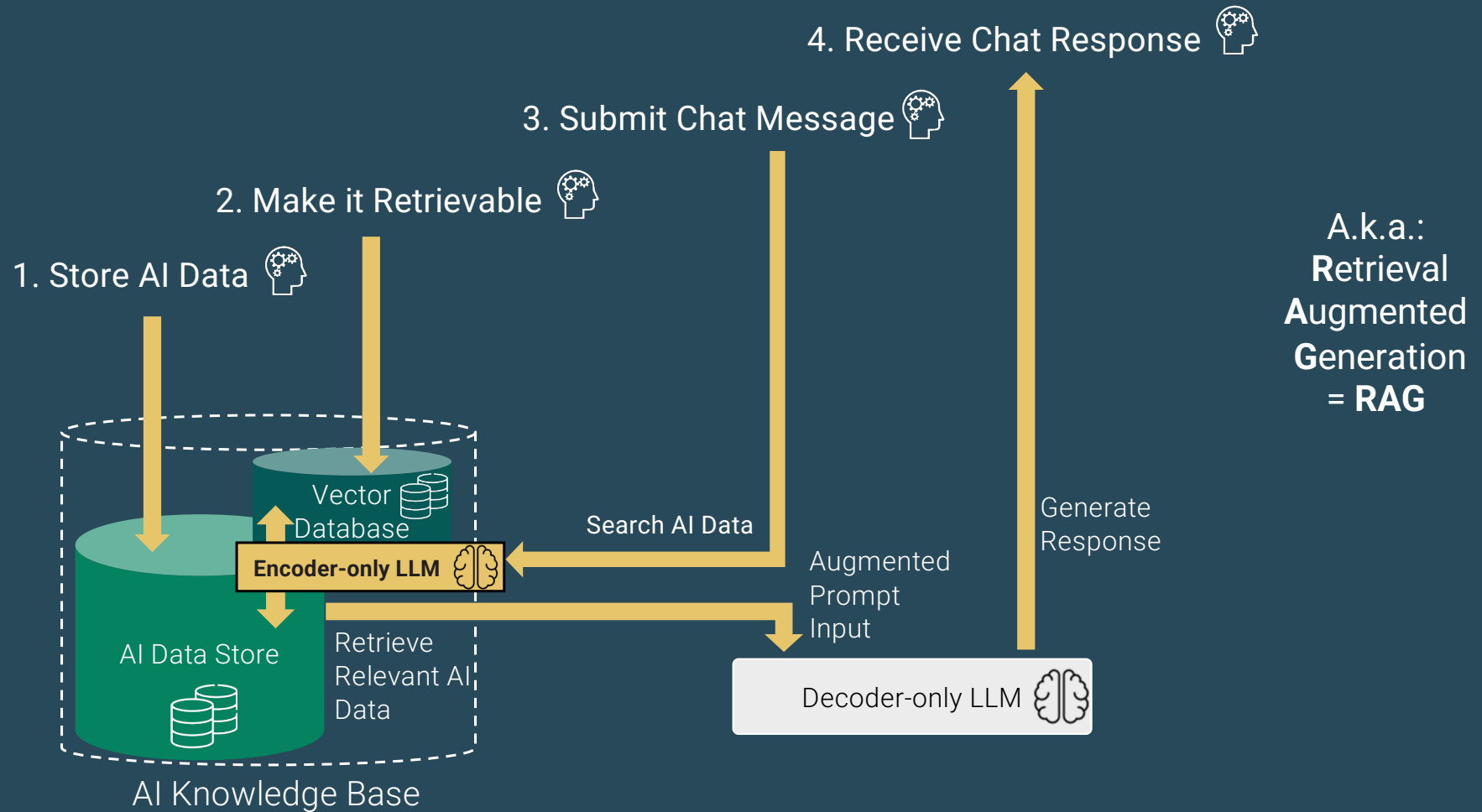


AI and Your Private Knowledge

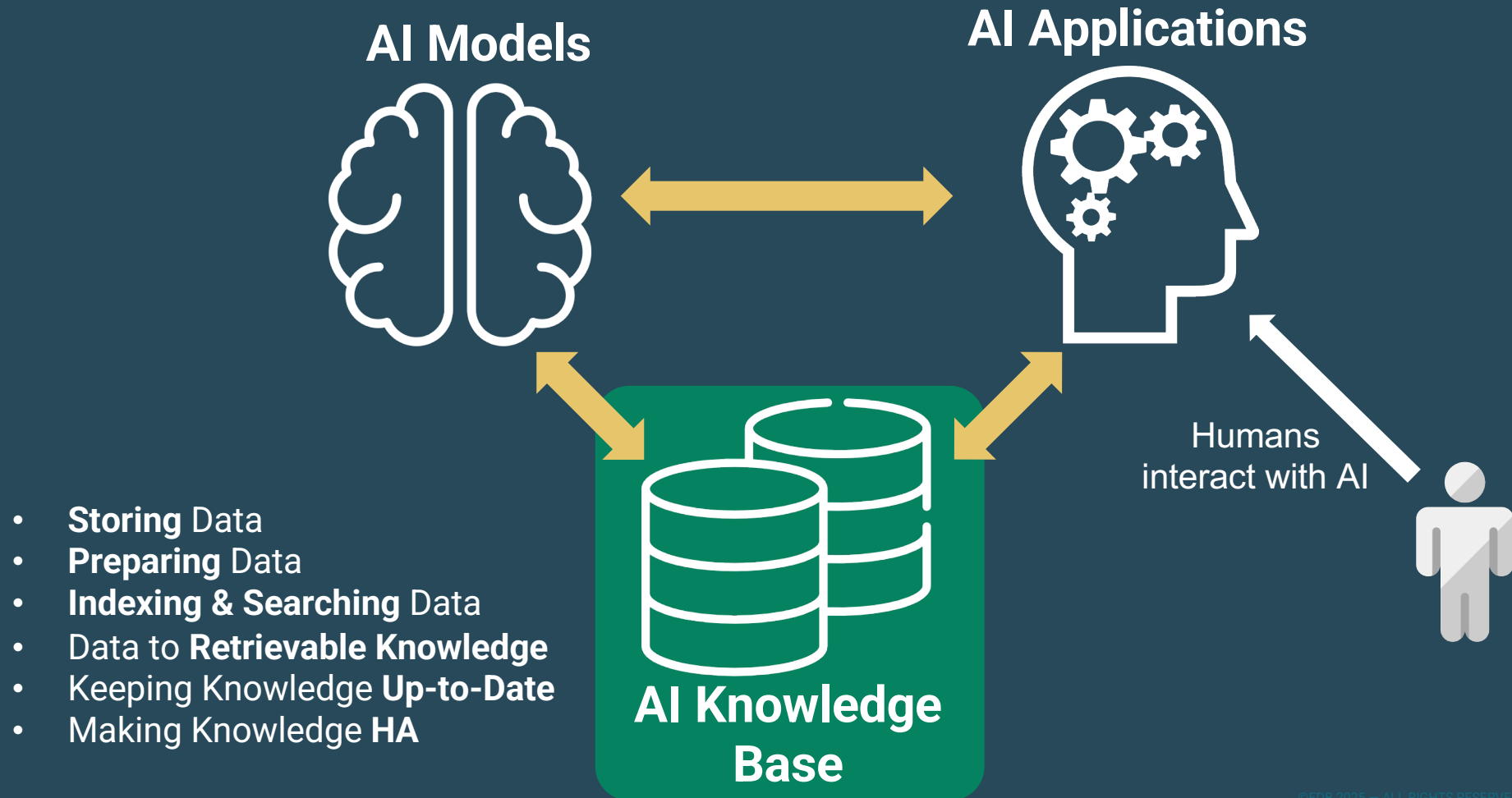
Front-loading Data vs Tail-loading Data – **Fine-tuning vs. RAG**



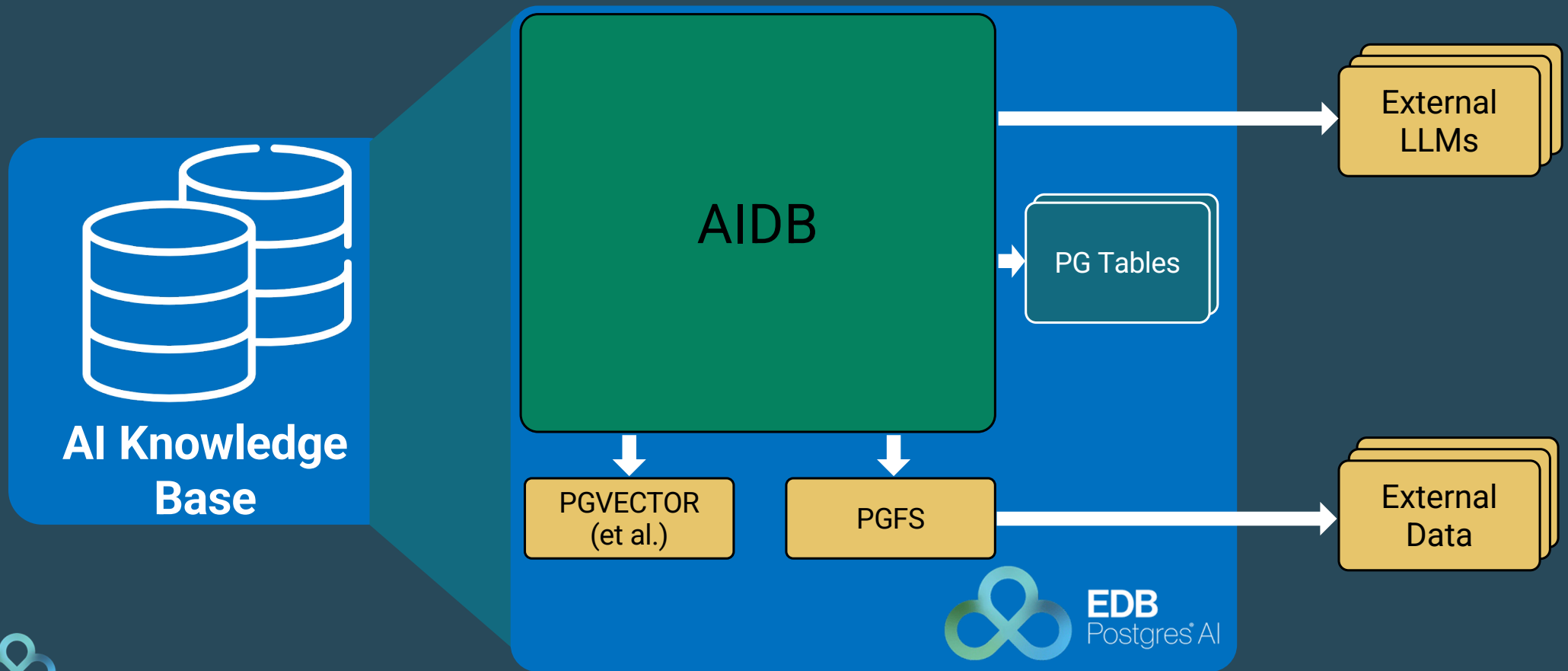
Chat Bots – The Omnipresent Gen AI Application



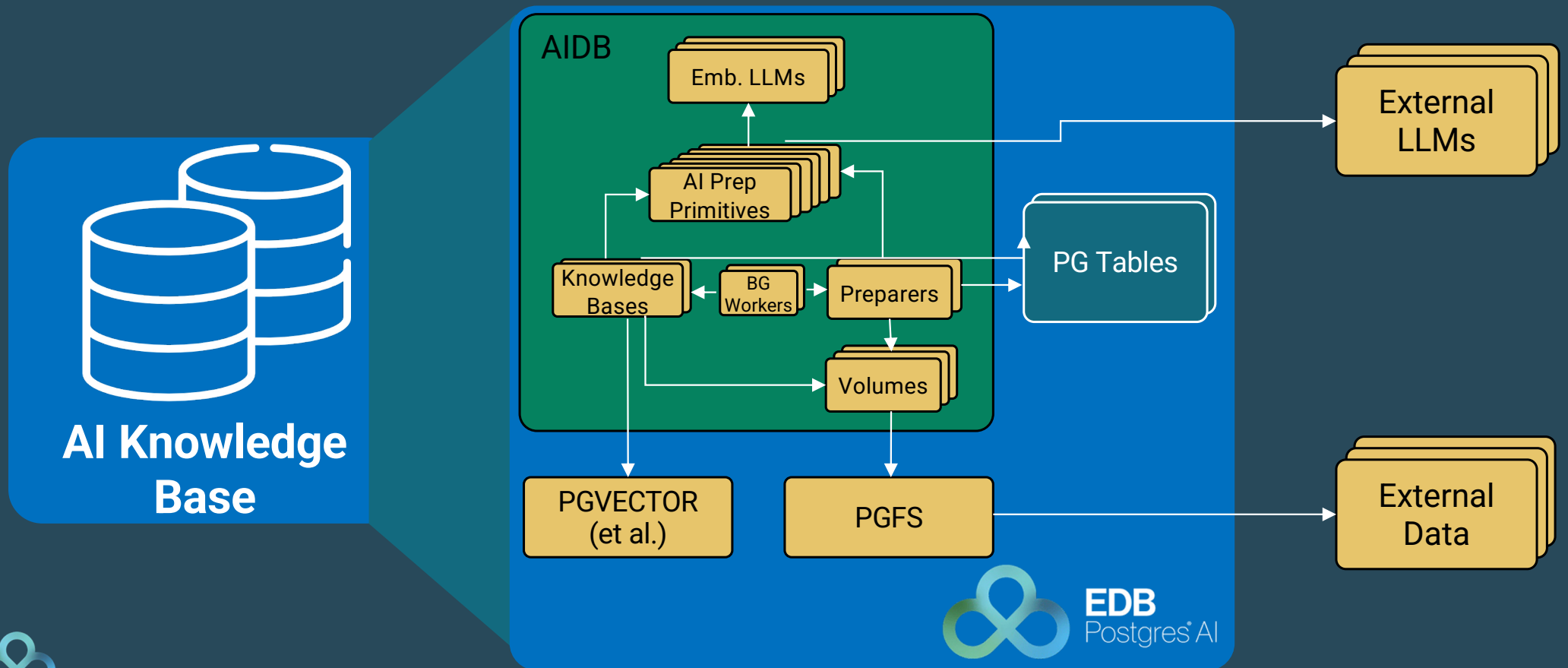
AI Knowledge = A Database's Job



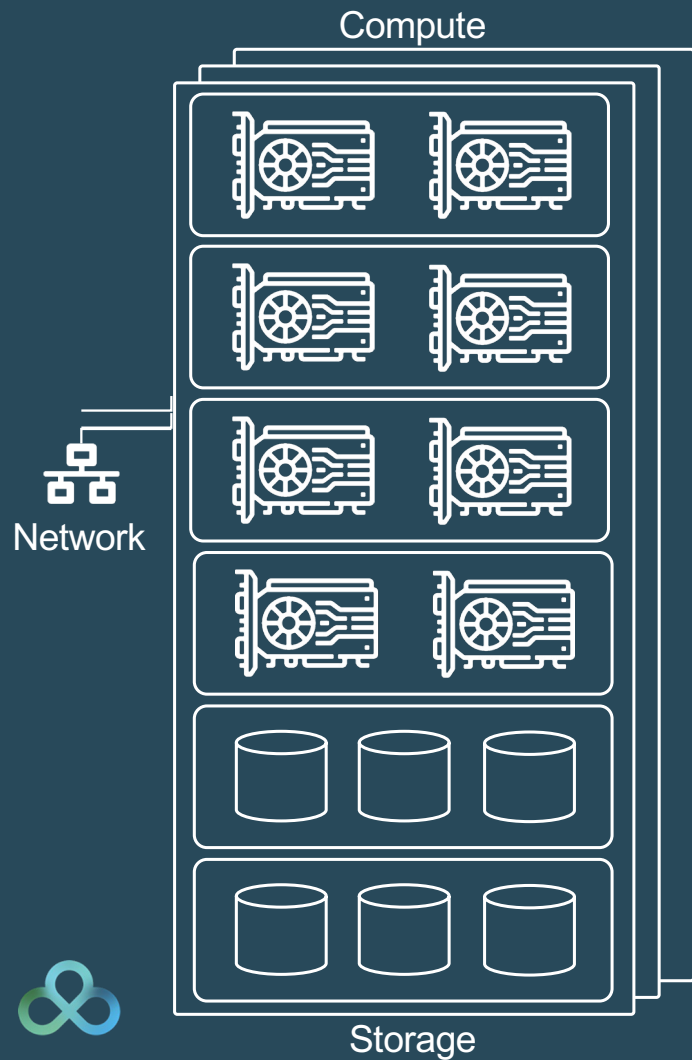
AI Knowledge Base – EDB Summary



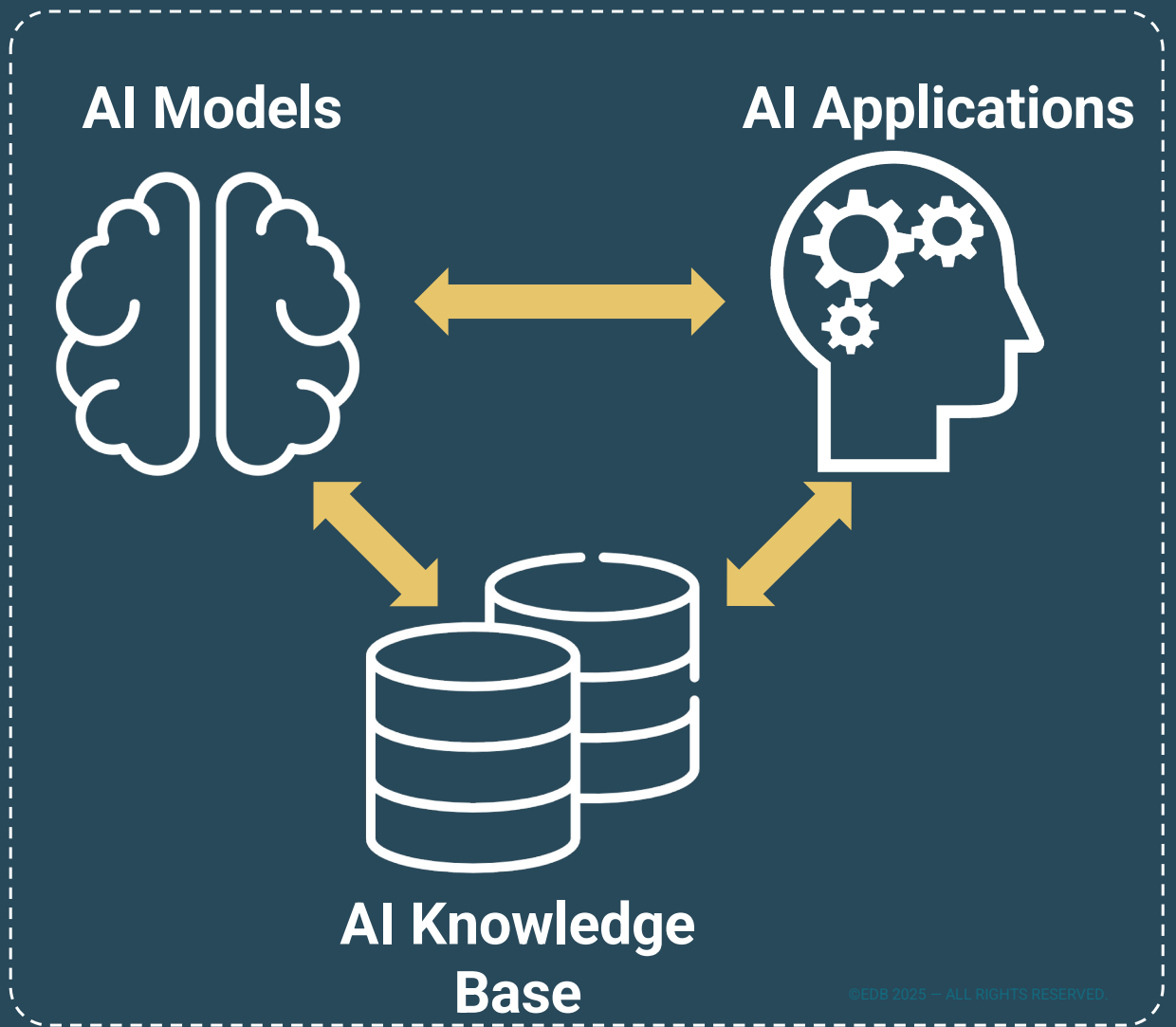
AI Knowledge Base – EDB Summary



AI Factory



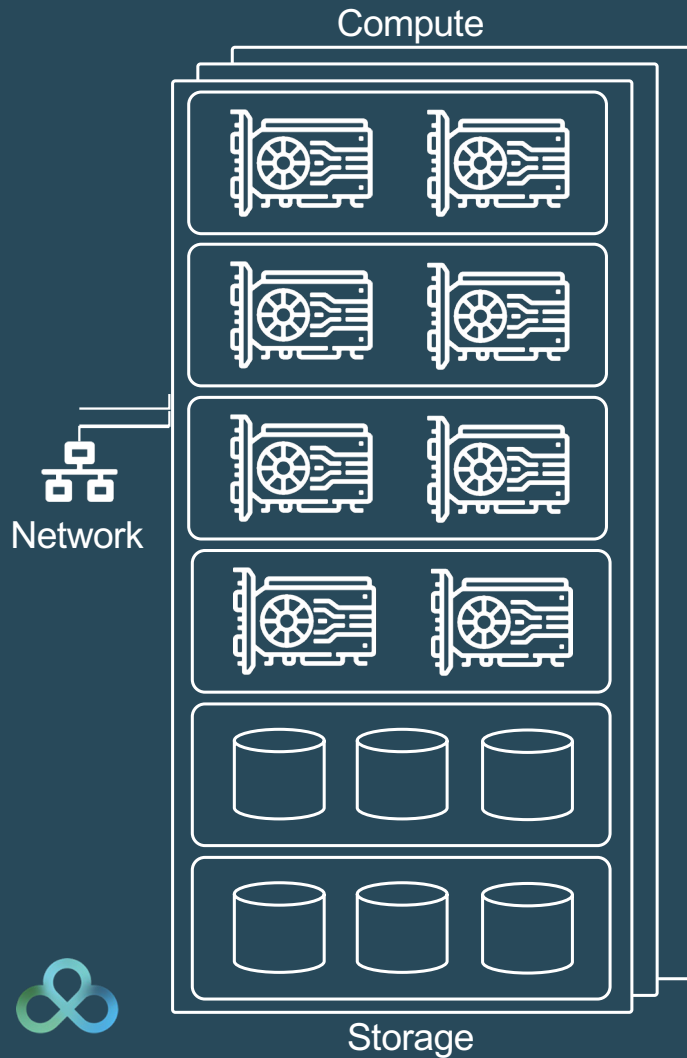
THIS is the **Software Stack of an AI Factory**



Demo

EDB AI Factory

= Sovereign AI: Run a Complete AI stack ANYWHERE



AI Model Servers

GenAI Builder



EDB
Postgres® AI



Postgres

Something Big Is Coming

June 17, 2025 | 11 AM CEST



Meet the Future of Postgres® and AI



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THANK YOU

Questions?

Meet us at **booth D050** or visit **enterprisedb.com**



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