

getting around....

# HELSINKI



# The Problem Landscape



## 1. The Context Gap

Maps optimize for efficiency ( $A \rightarrow B$ ) but ignore intent. Users struggle to connect semantic dots, leading to high cognitive load in the "Last Mile."

## 2. The Generative Reliability Crisis

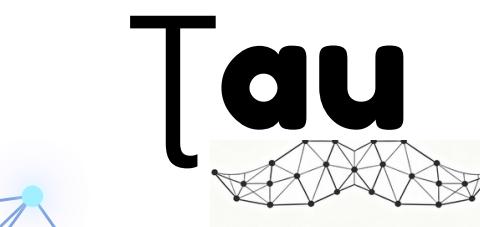
LLMs excel at language but fail at topology. They "hallucinate" non-existent routes, causing critical failures where accuracy is non-negotiable.

## 3. The Sustainability Barrier

Complex public transport networks intimidate outsiders. This "Cognitive Friction" pushes tourists toward carbon-heavy ride-shares.

# Team

**Current Navigation tells you where to go. We tell you why to go, reliably**



**Vivek**



**Sourabh**

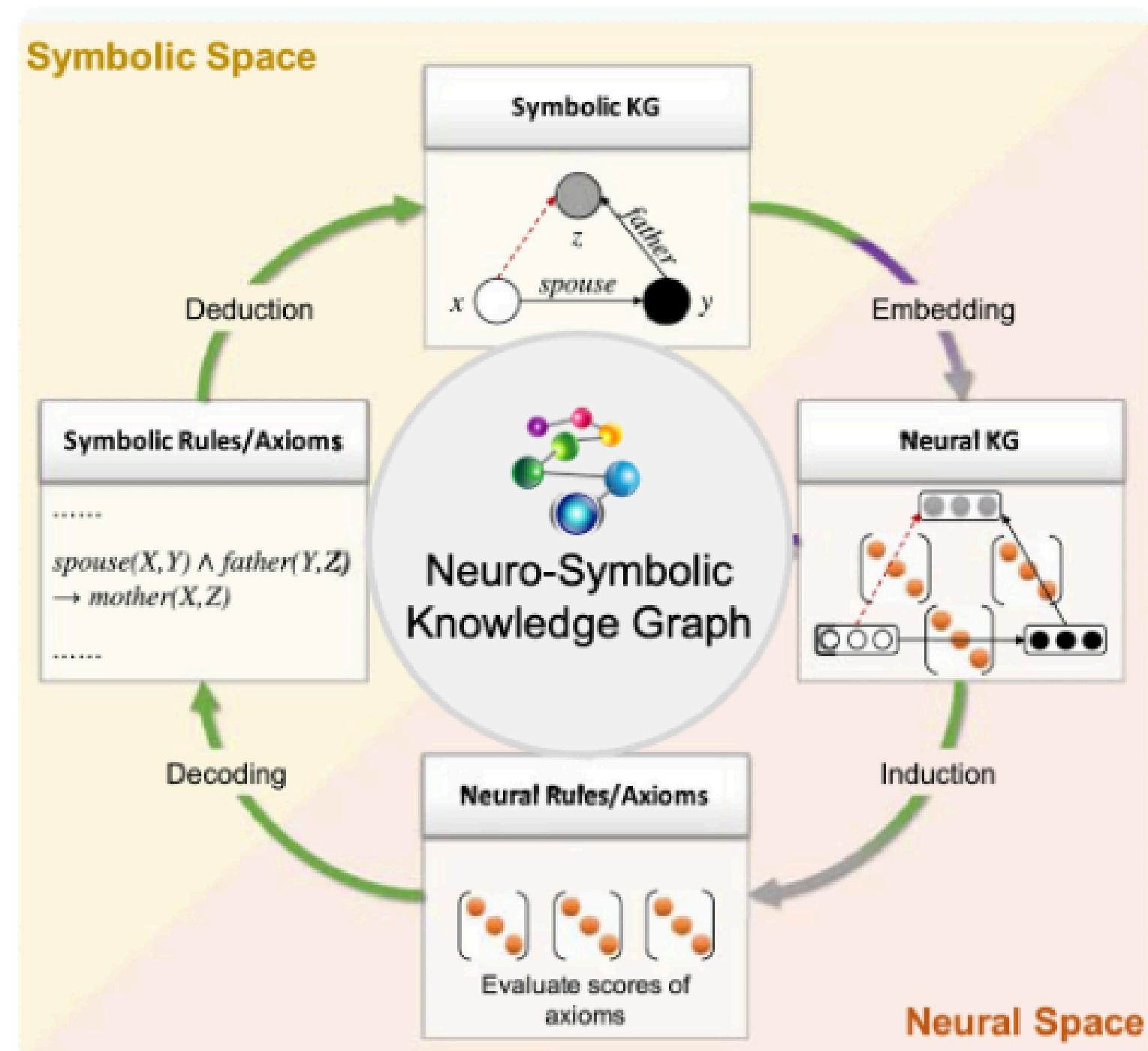


**Herry**

**Tau- Live :**



# The Solution: Tau AI Navigator



## 💡 The "Glass Box" Approach

**Neuro-Symbolic GraphRAG:** Combines a Neo4j Knowledge Graph (The Truth) with an LLM (The Vibe). Injects validated paths to ensure zero hallucination.

## 🌐 Semantic Mobility

**Inference Engine:** Tags infrastructure based on surroundings (e.g., "The Architecture Line"). Enables routing by *Concept* rather than just *Coordinate*.

## ⚖️ Value Proposition

**Reliability & Sustainability:** Delivers the mathematical certainty of a Graph with the usability of a Chatbot, removing cognitive barriers to public transit.



# HELSINKI AI NAVIGATOR

Tau

## Plan Your Journey

Use GPS Location

From:

Kamppi, Helsinki

To:

Helsinki

Preferred Time (Optional)

Date

2025/11/29

Time

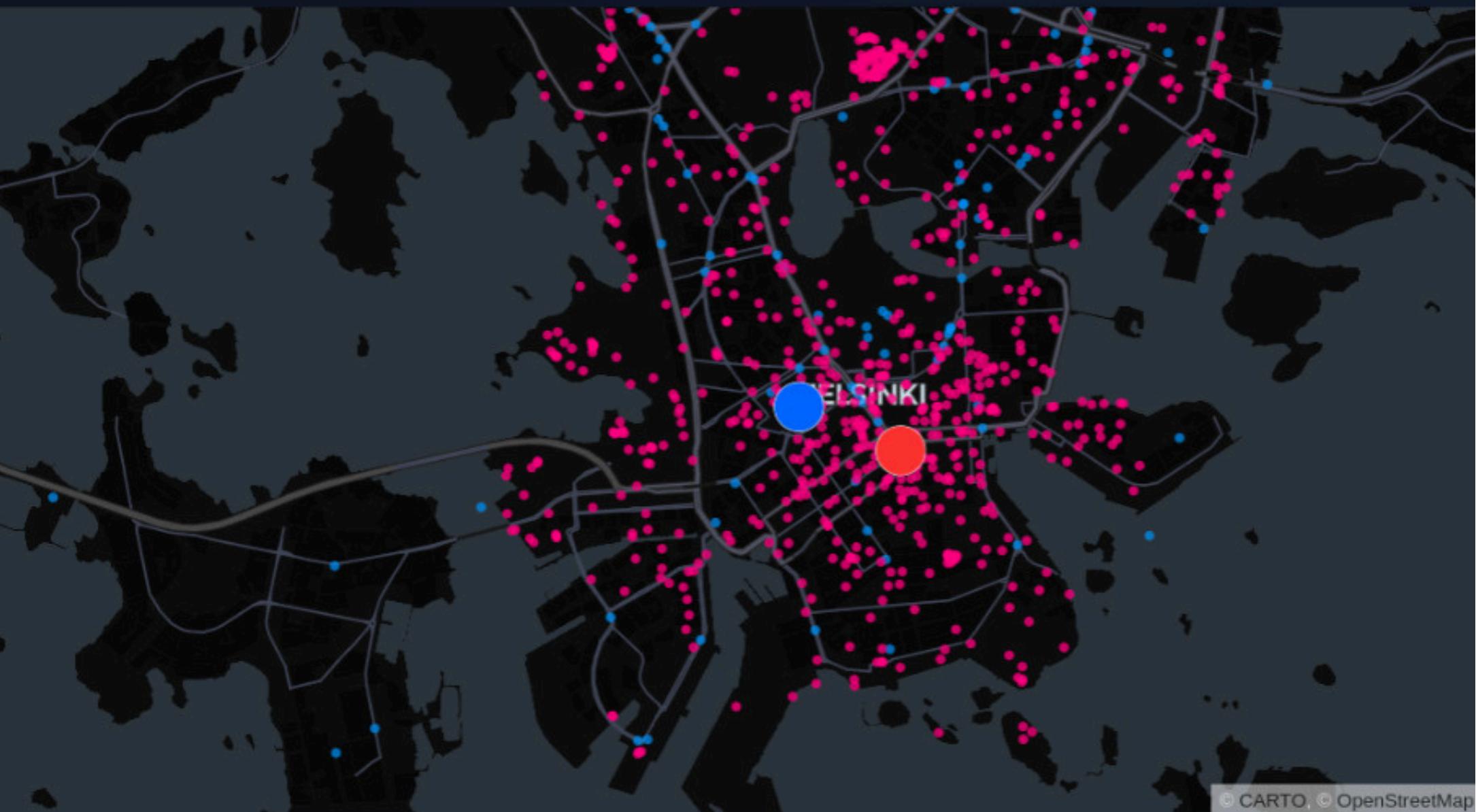
08:00

 Vibe Search

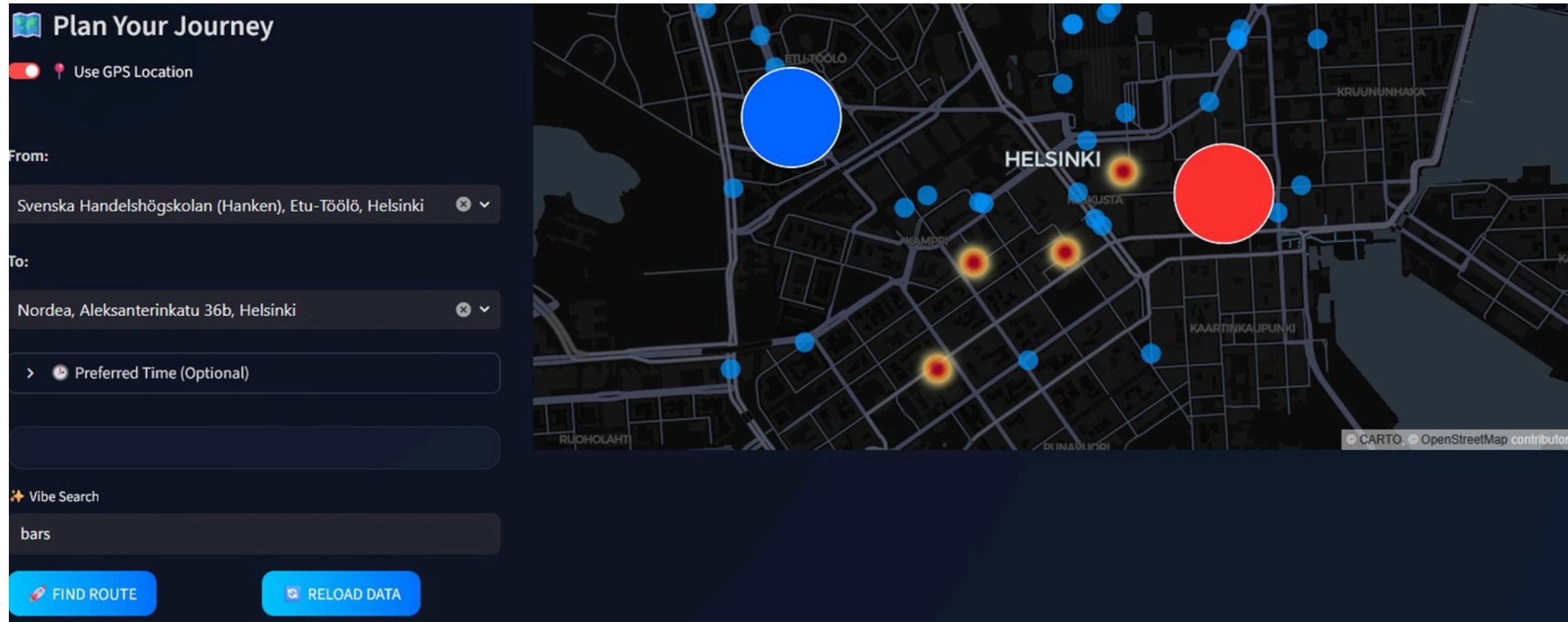
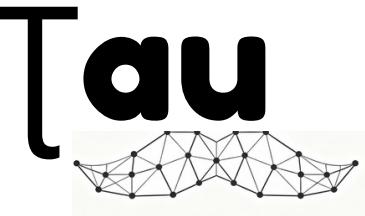
e.g. Underground Techno

 FIND ROUTE

 RELOAD DATA



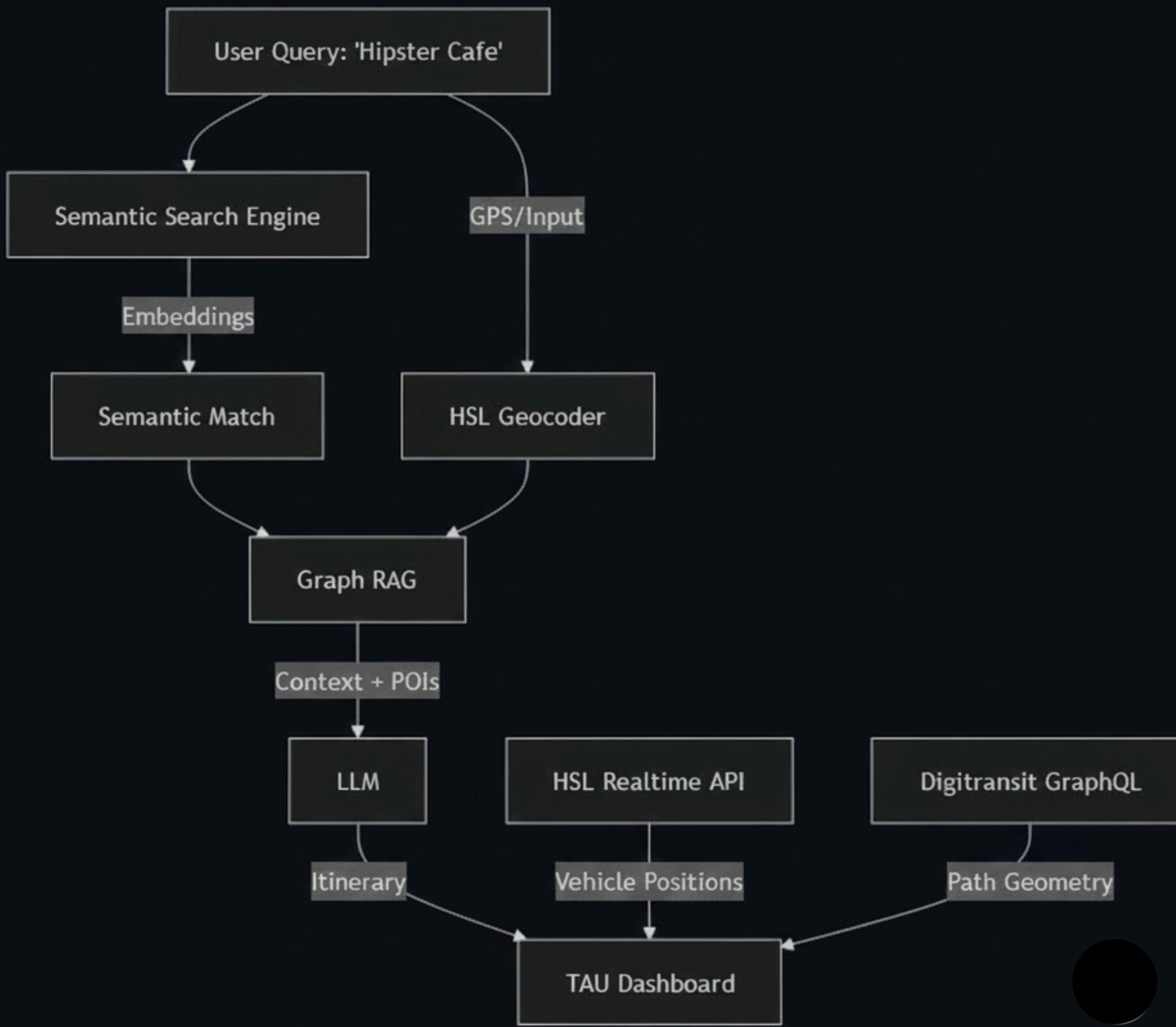
# Features



## Tau (AI Real time Navigator)

- **Real time location**
- **Liveliness heatmap**

- **Real time public transport tracking**

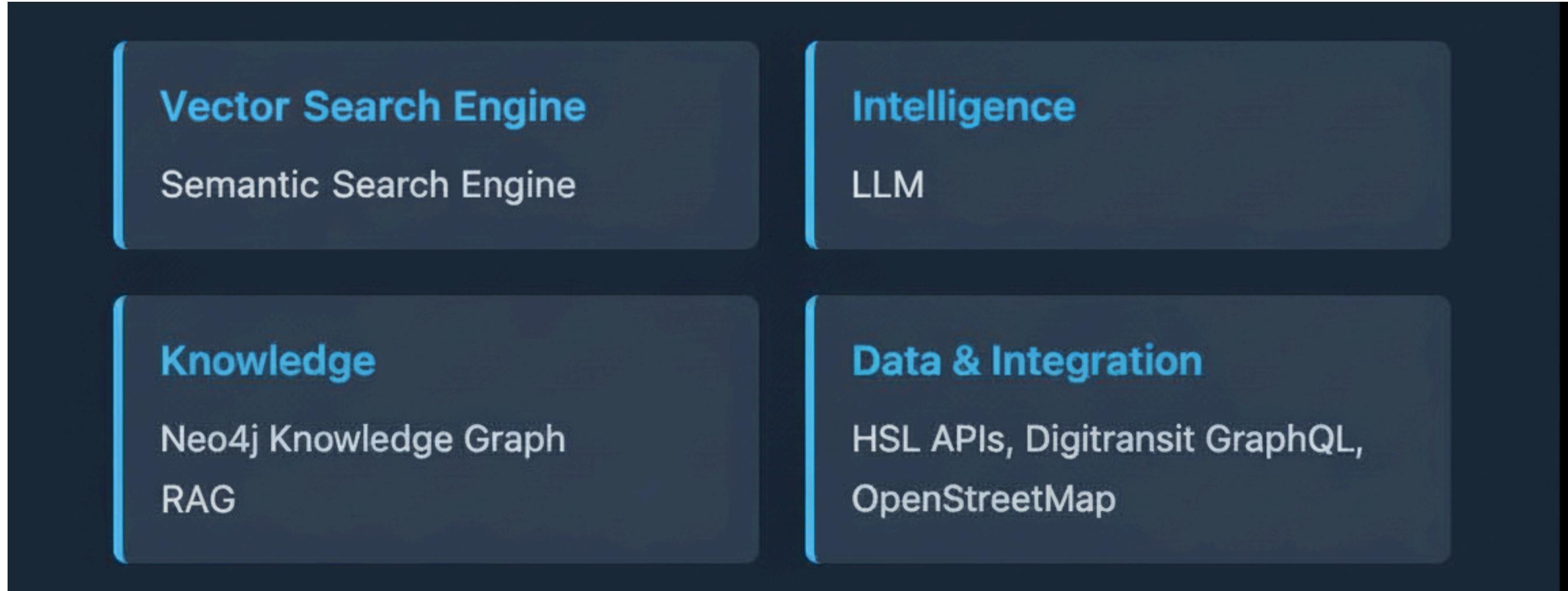
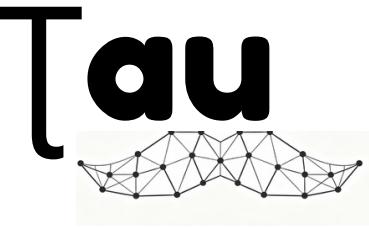


# Architecture

## Tau (AI Real time Navigator)



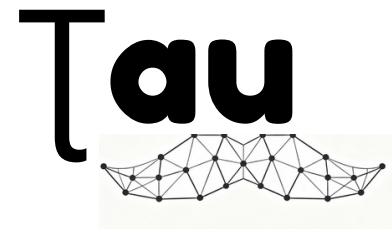
# Technology stack



**Tau** is powered by :

- **Knowledge : Neo4j Knowledge Graph & RAG**
- **Data & Integration**: HSL APIs, Digitransit, OSM
- **Intelligence**: LLM (Large Language Model)
- **Vector Search Engine**: Semantic Search Engine

# Use Cases



## SCENIC COMMUTE

"FIND ME A SCENIC ROUTE TO WORK" - COMBINING COMMUTE

## WITH EXPLORATION

## MOOD-BASED DISCOVERY

"I WANT UNDERGROUND TECHNO VIBES TONIGHT" - MOOD-BASED LOCATION DISCOVERY

## CONTEXT-AWARE DINING

"BEST LUNCH SPOT CONSIDERING REAL-TIME TRANSIT" -

## CONTEXT-AWARE RECOMMENDATIONS