

VANTI Q

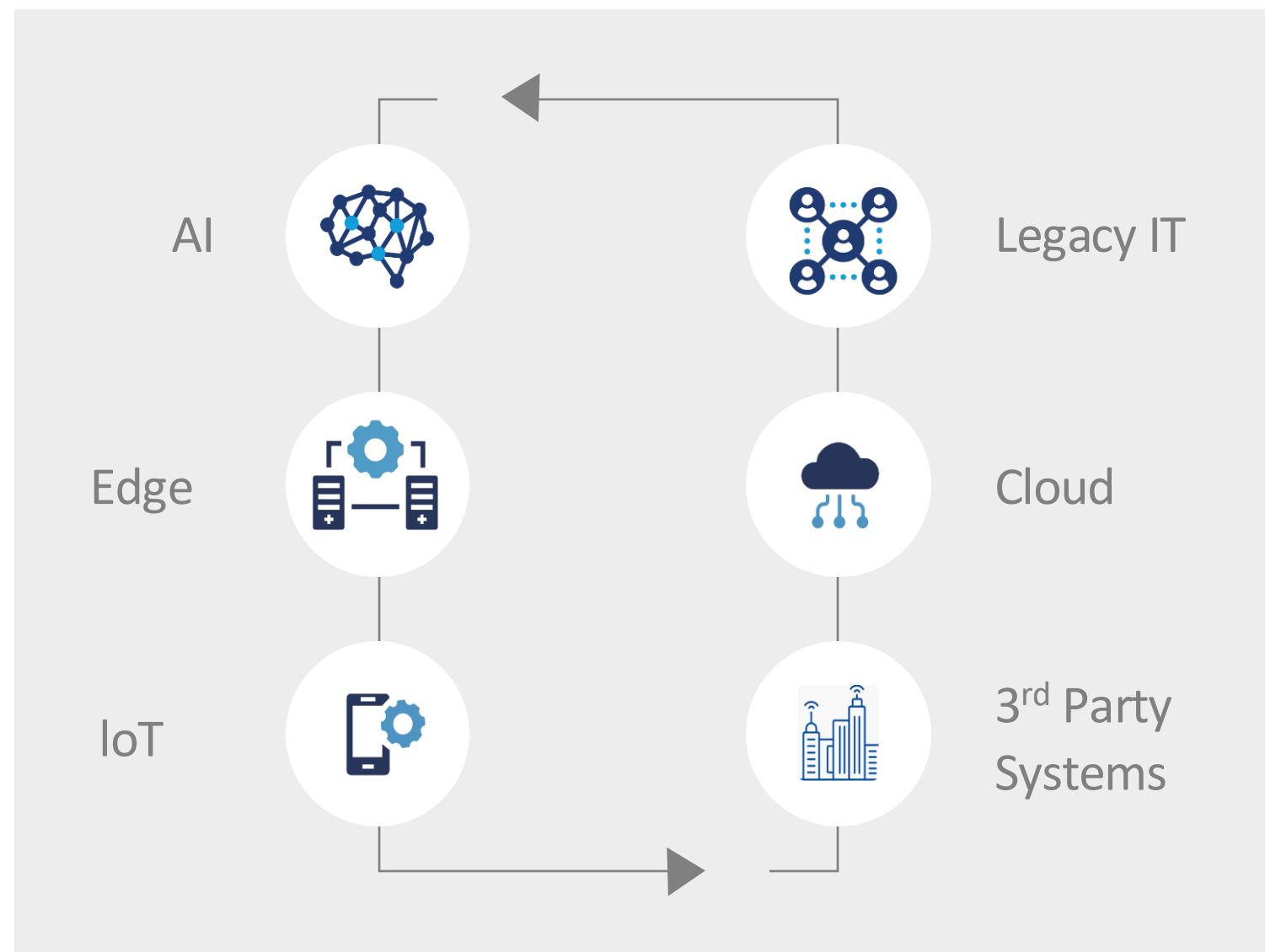
Overview

February 2025

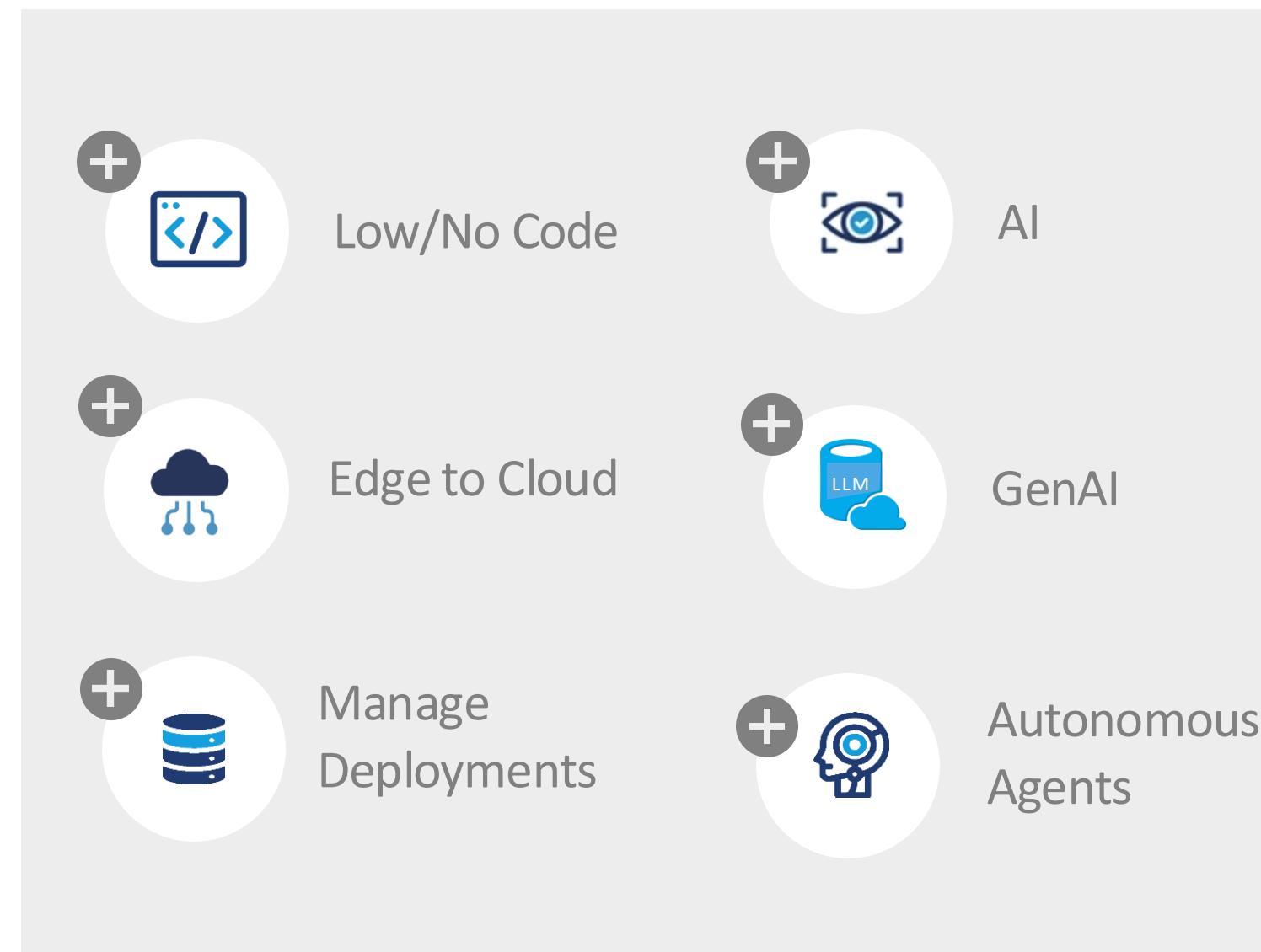
Insert Name
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How VantIQ enables Intelligence at Work™

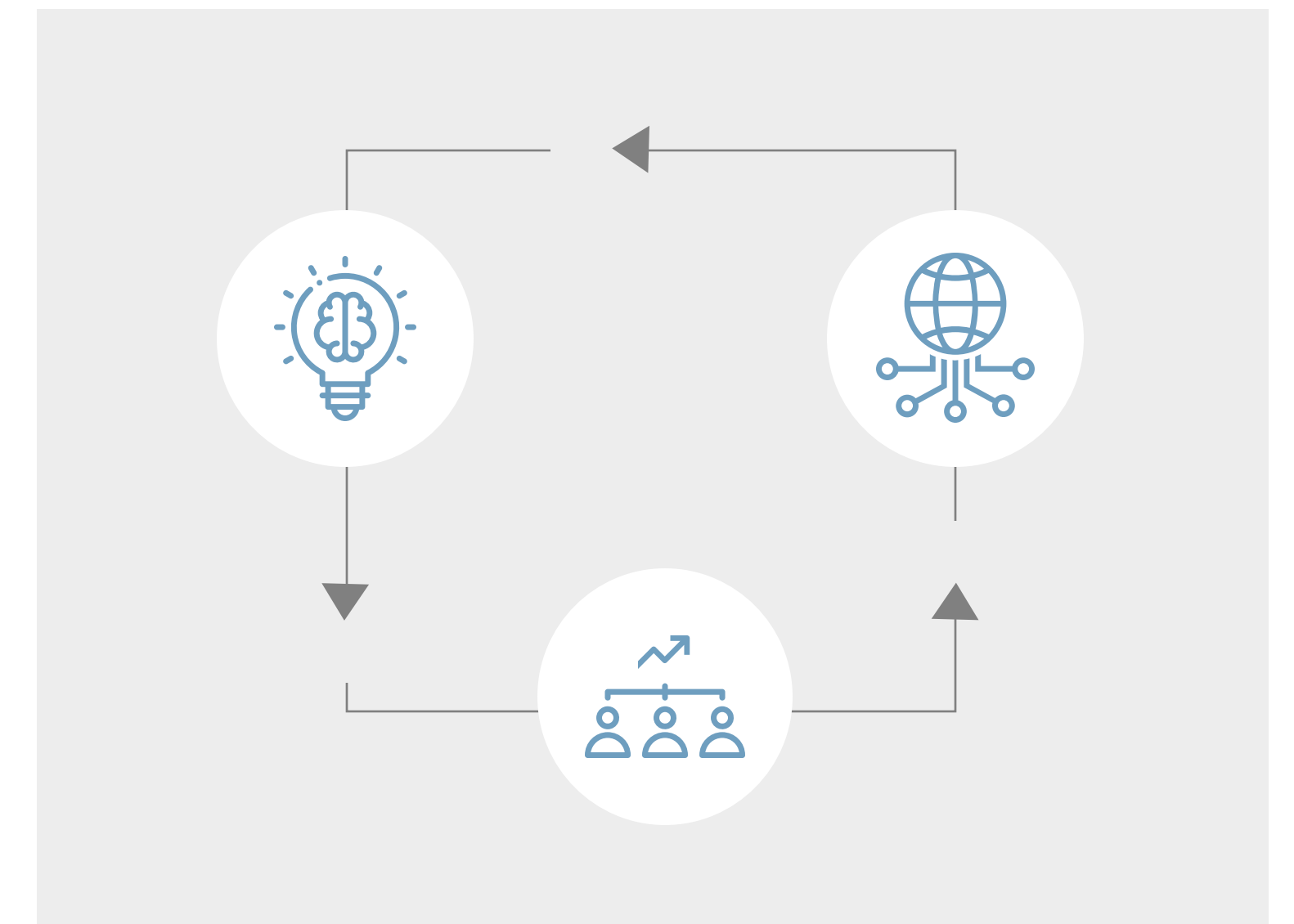
Seamlessly integrate the new and the old in a non-centralized manner



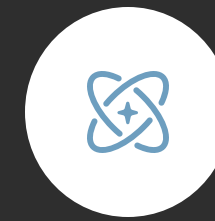
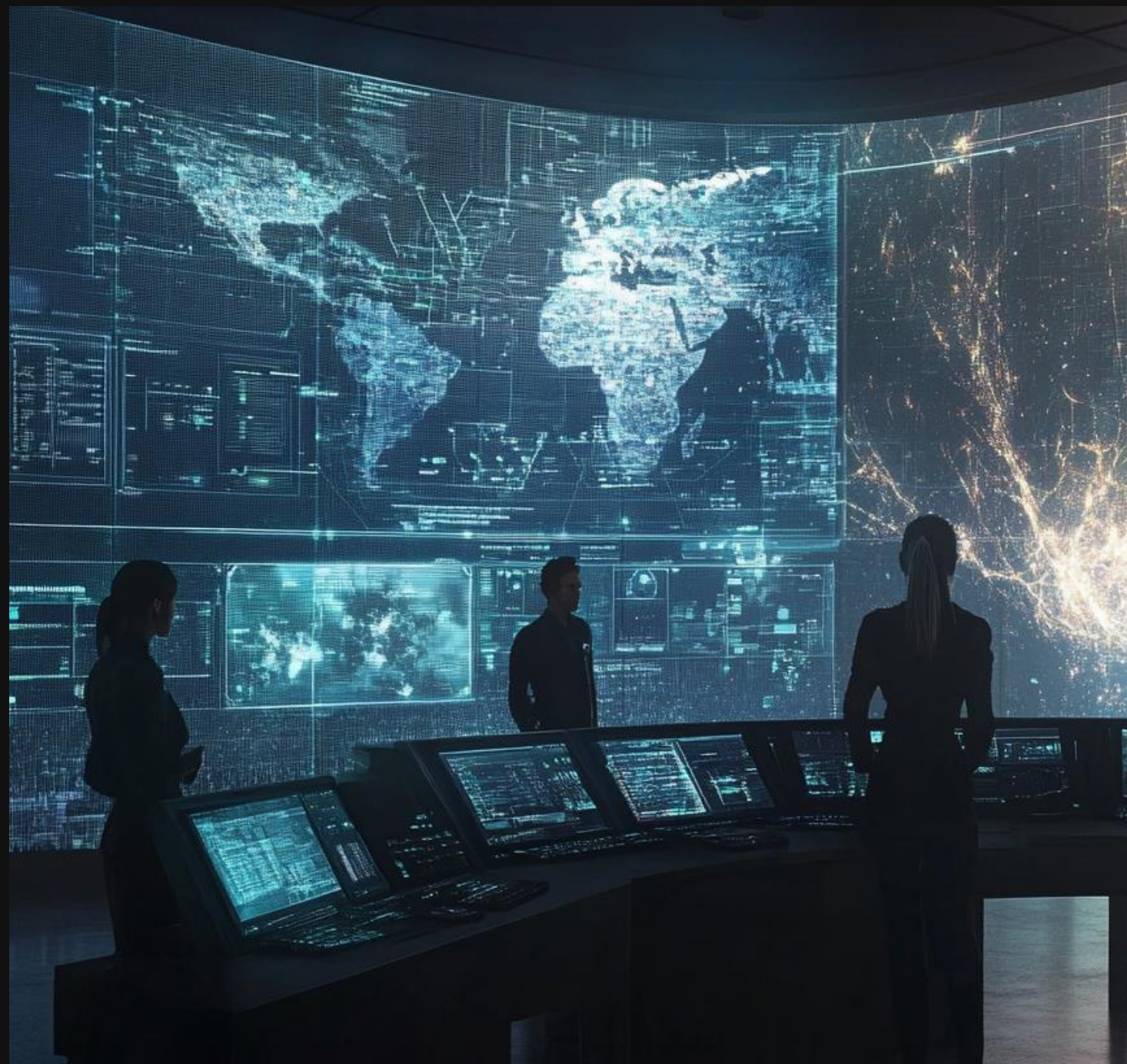
Easily develop, deploy and manage intelligent systems



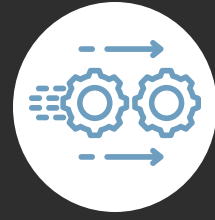
Dynamically orchestrate AI, systems and people



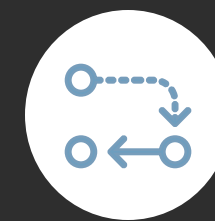
Vantiq automates GenAI for real-time applications



Unified Development and Infrastructure—combines application and infrastructure creation across **clouds**, edge devices and autonomous systems



AI, GenAI & Agentic AI at the Core—Automates the use of one or more LLMs or agents, updates them as things change, and learns in real-time



Reliability & Scalability—Ensures continuous operation under heavy load and during outages, and structurally minimizes latency



Real-Time Orchestration—Orchestrates the use of IoT sensors, services, legacy systems, AI, generative AI, human interactions and physical actions



Trustworthy—Patented technology to dramatically reduce hallucinations



Agility and Speed—Dramatically cuts development and deployment time by up to 90%

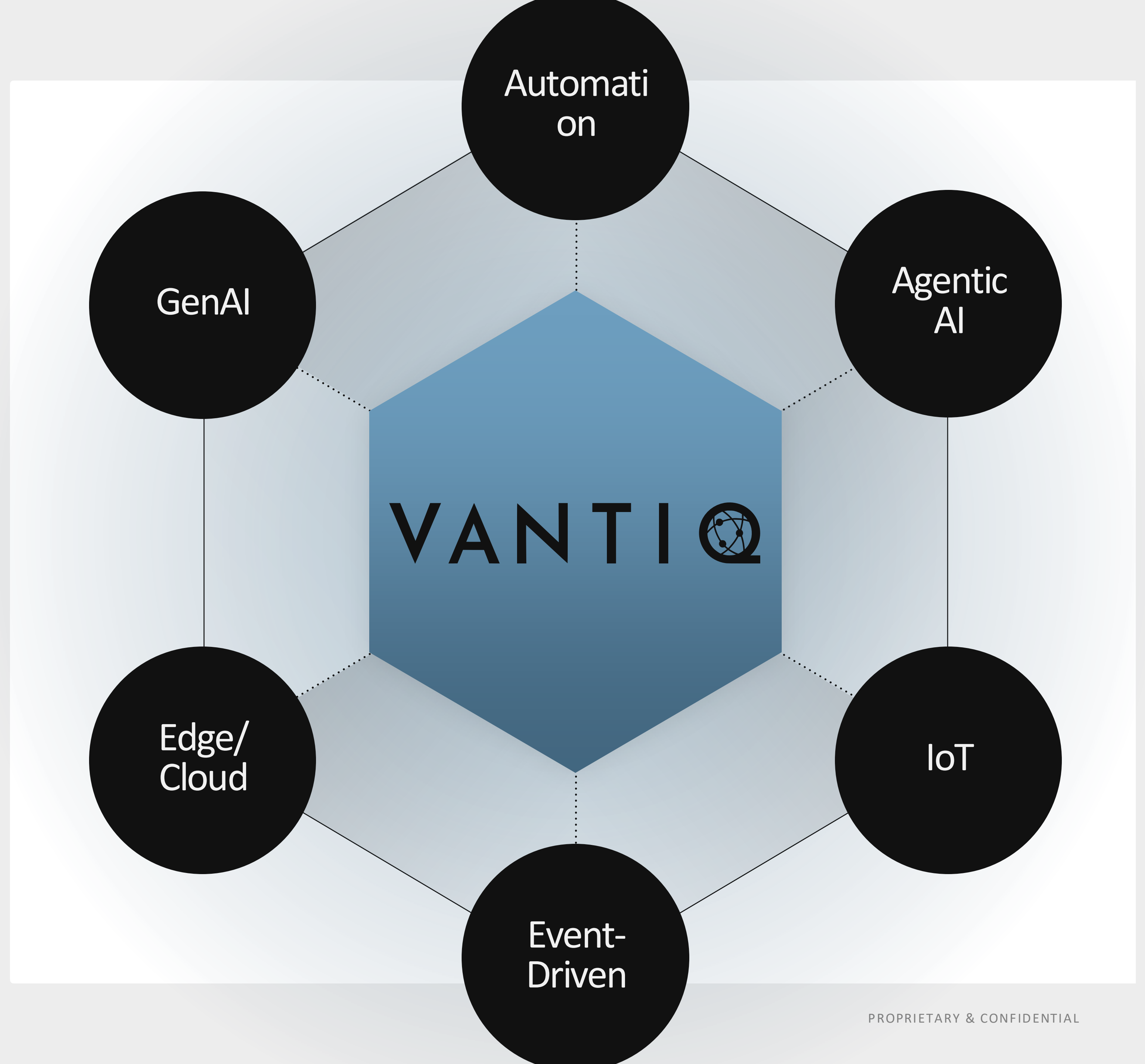


Adaptability—Enables any component to be upgraded as technology rapidly evolves

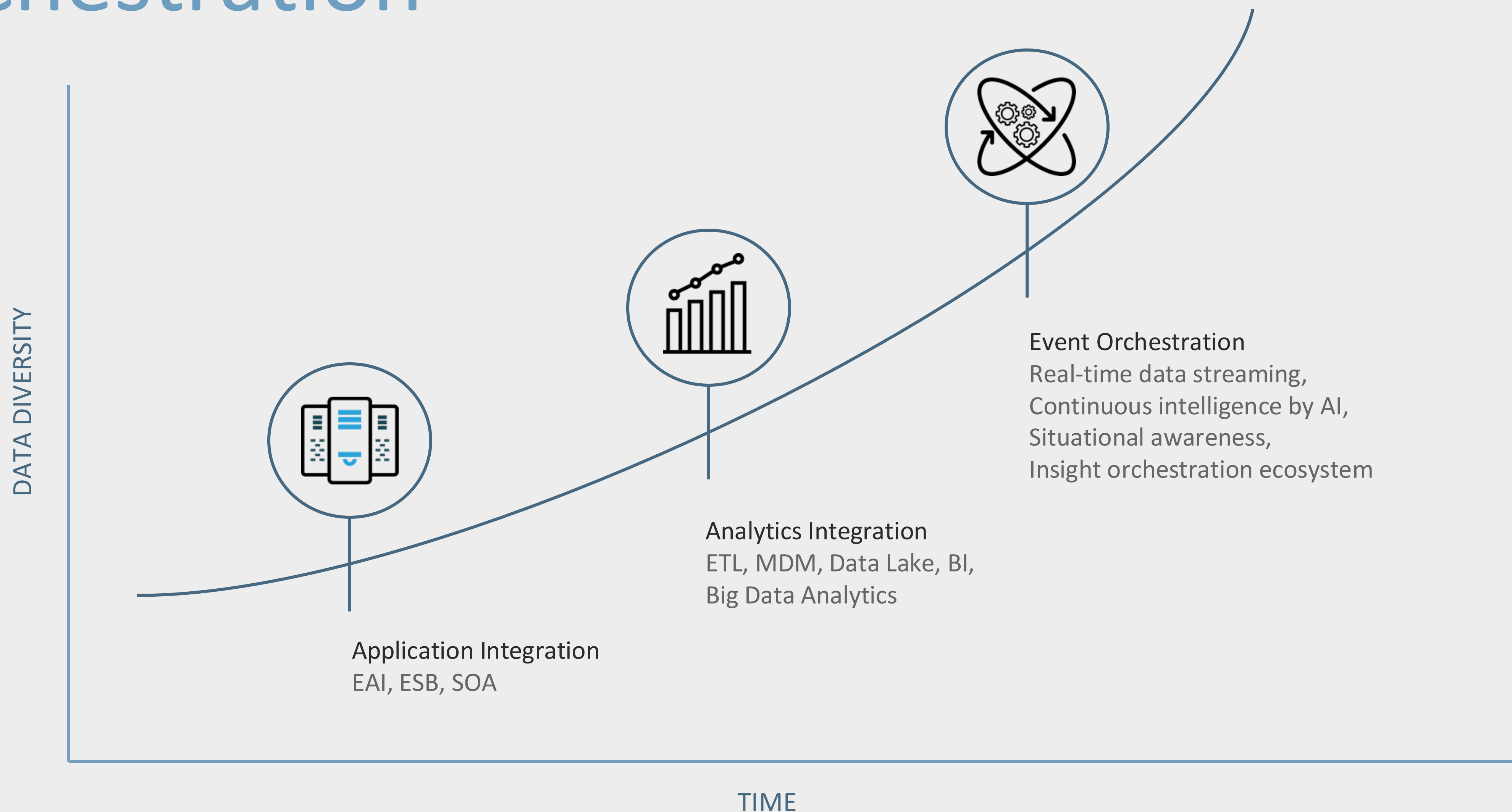
What is the Vantiq platform?

Vantiq's highly innovative software platform is used to:

- Develop real-time intelligent systems
- Intelligently automate GenAI
- Run wherever needed
- Integrate agents, legacy and services
- Assure scalability and reliability
- Orchestrate decision making/actions
- Install critical software infrastructure
- Rapidly build and deploy
- Upgrade anything, anywhere, anytime
- Learn in real-time



The move from “integration” to “orchestration”



What **Agentic AI** applications built with Vantiq do in real-time

1

Ingest—gather and process data from any sources, such as sensors (IoT), cameras, databases and digital interfaces



2

Analyze—logic and gen AI “creatively think” through what is happening and suggest what actions to take



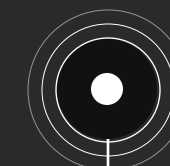
3

Orchestrate—strategically automate and orchestrate collaboration with people and systems

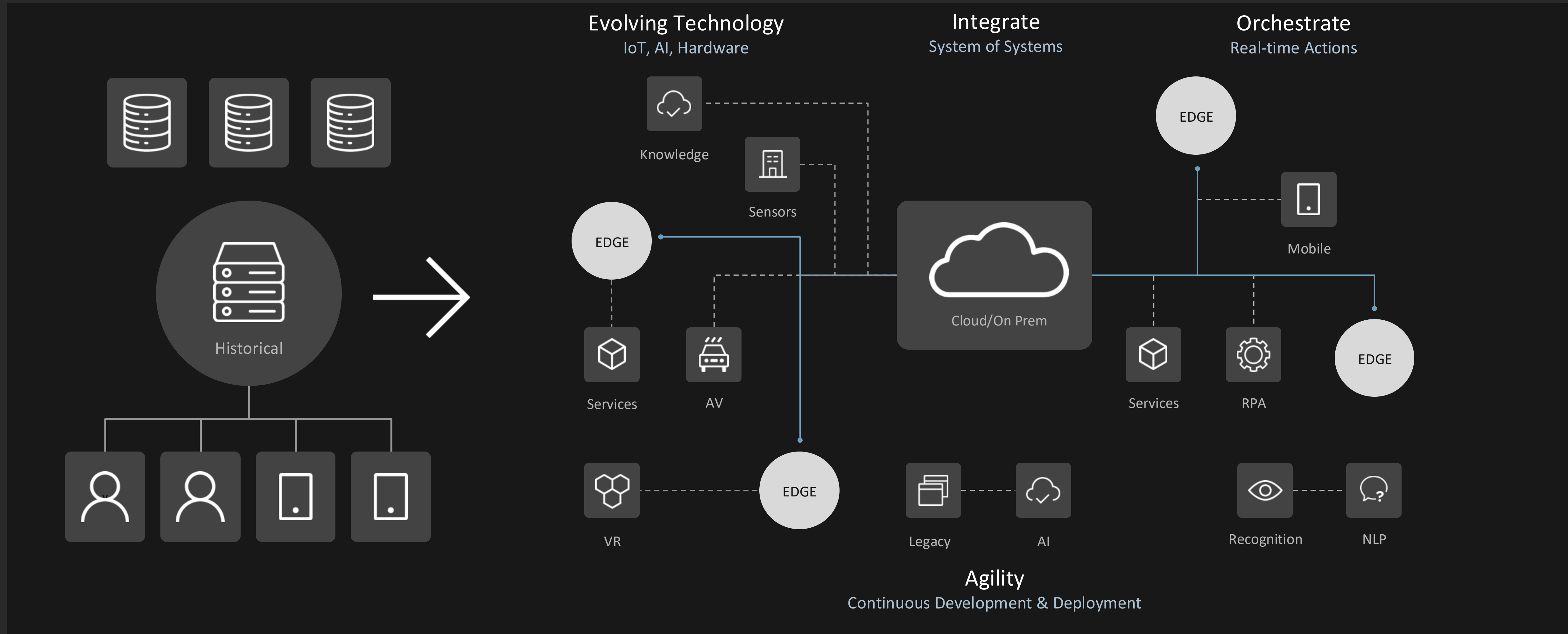


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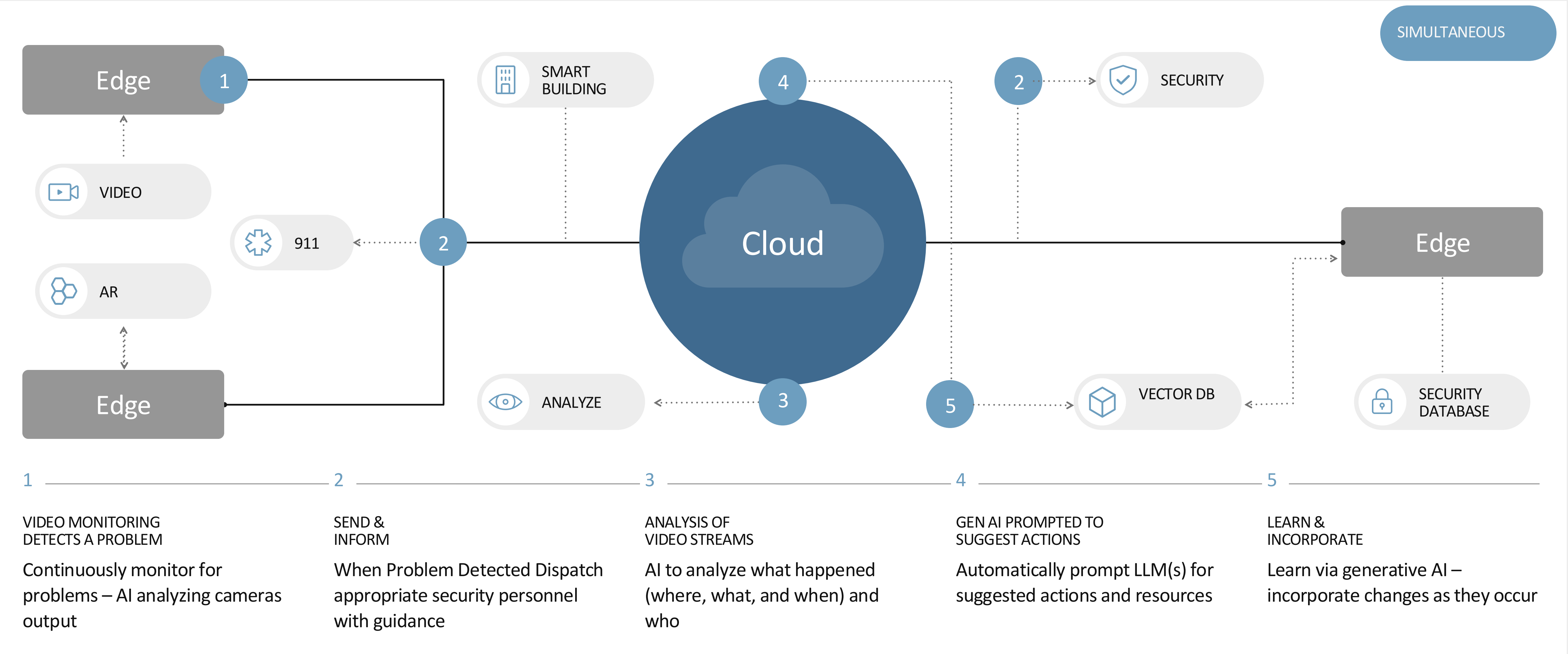
Learn—learn in real-time and update the system



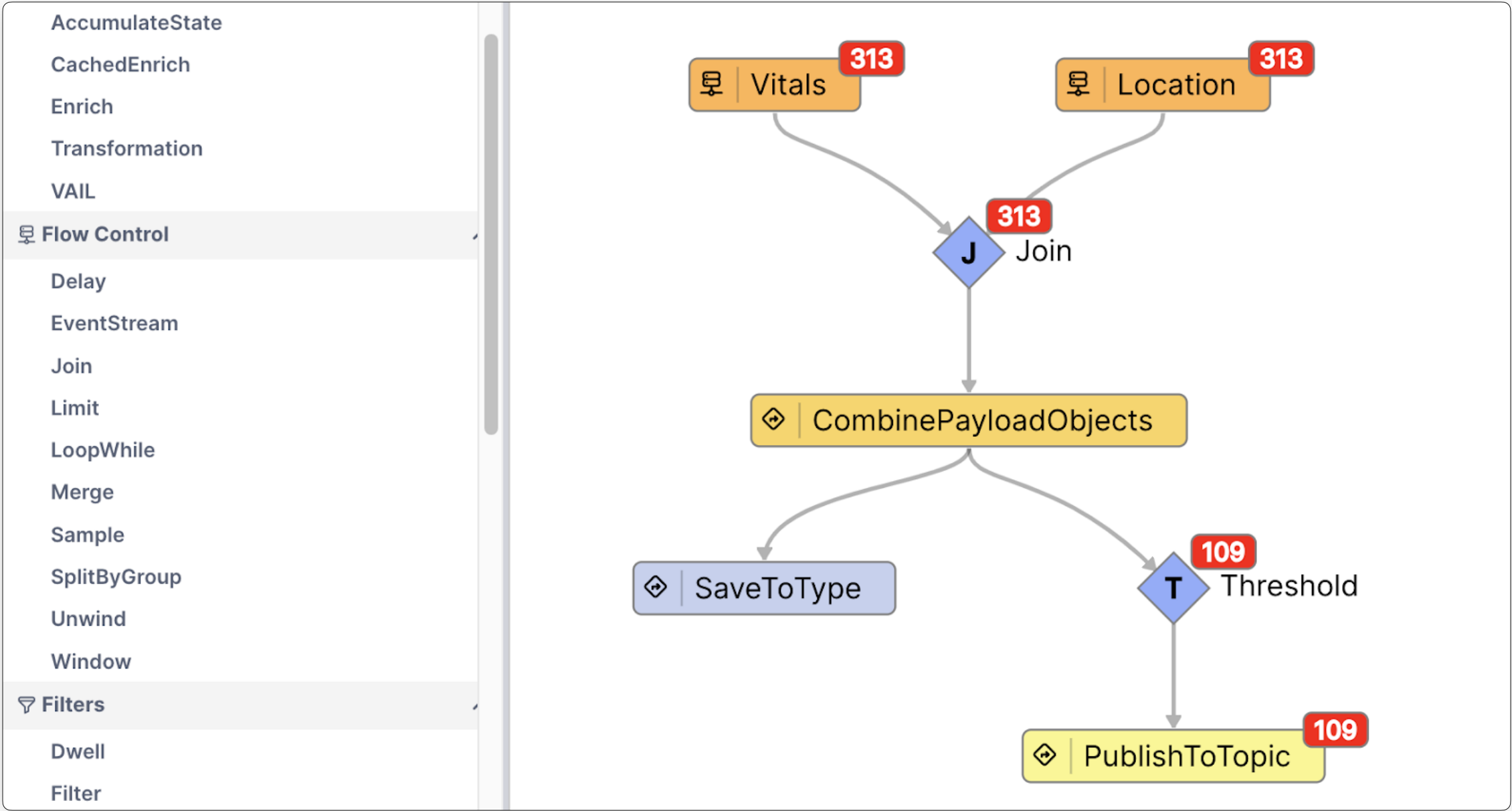
Architecture required for real-time applications



Example of a Vantiq application executing



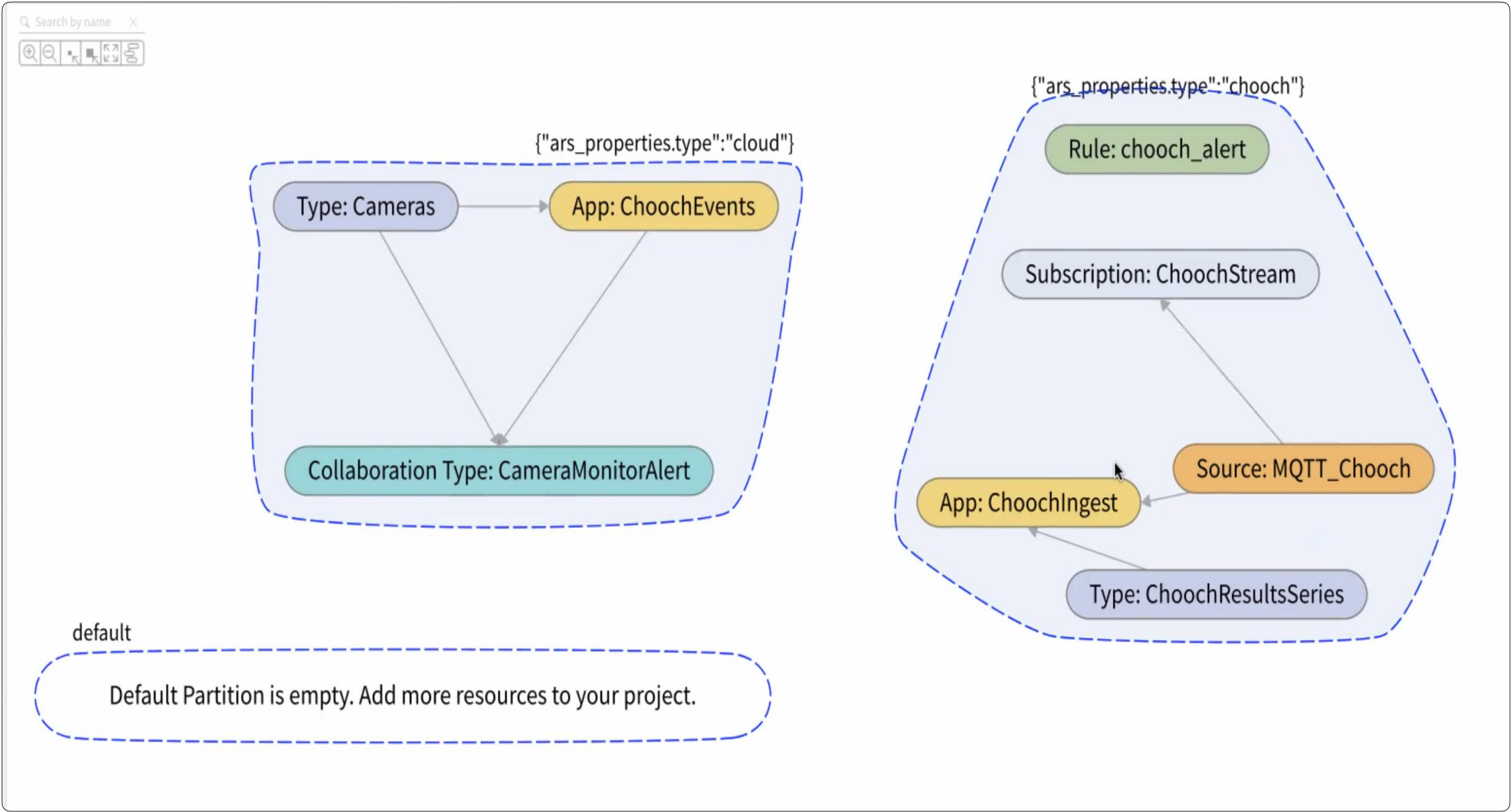
Simplified development and deployment



Develop



Easily create real-time intelligent software systems from components



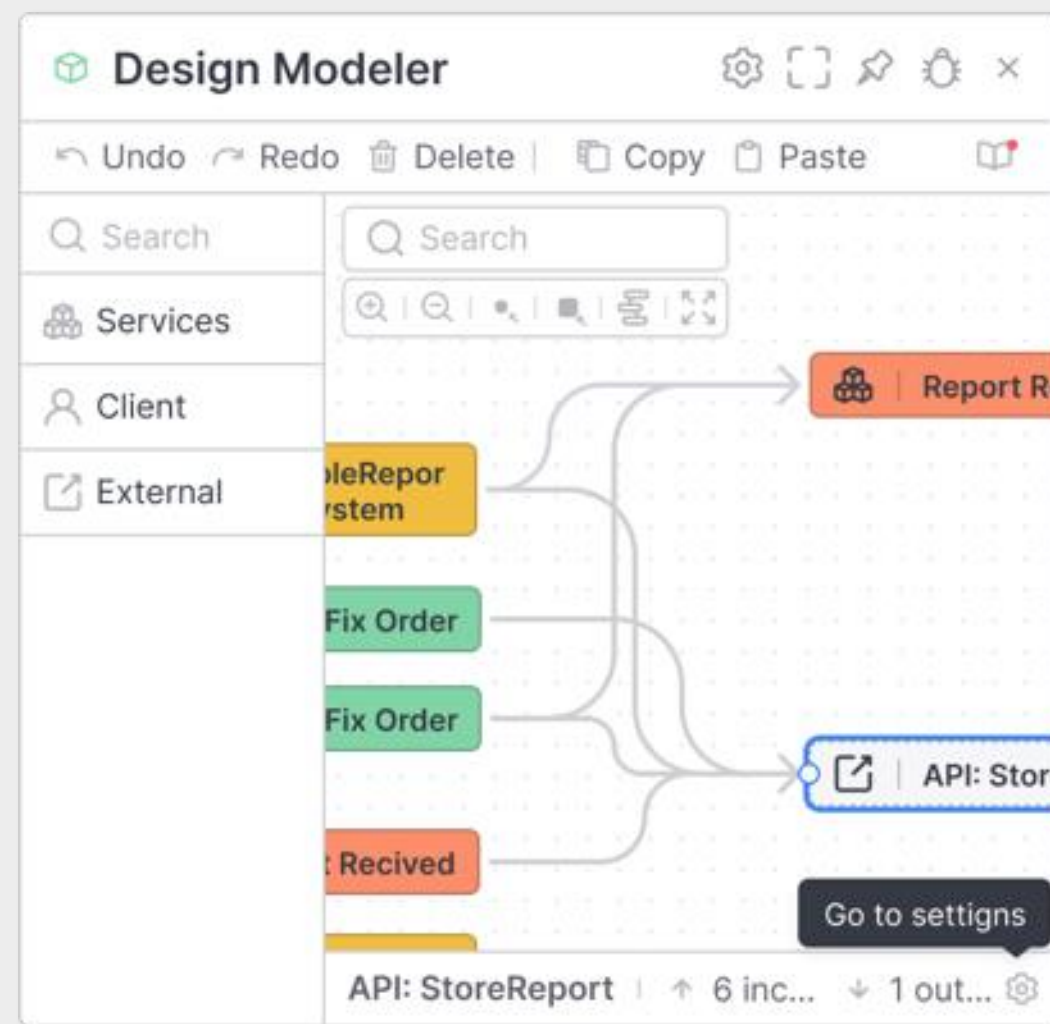
Deploy

Automatically deploy components to where needed

Real-time intelligence: from data to action

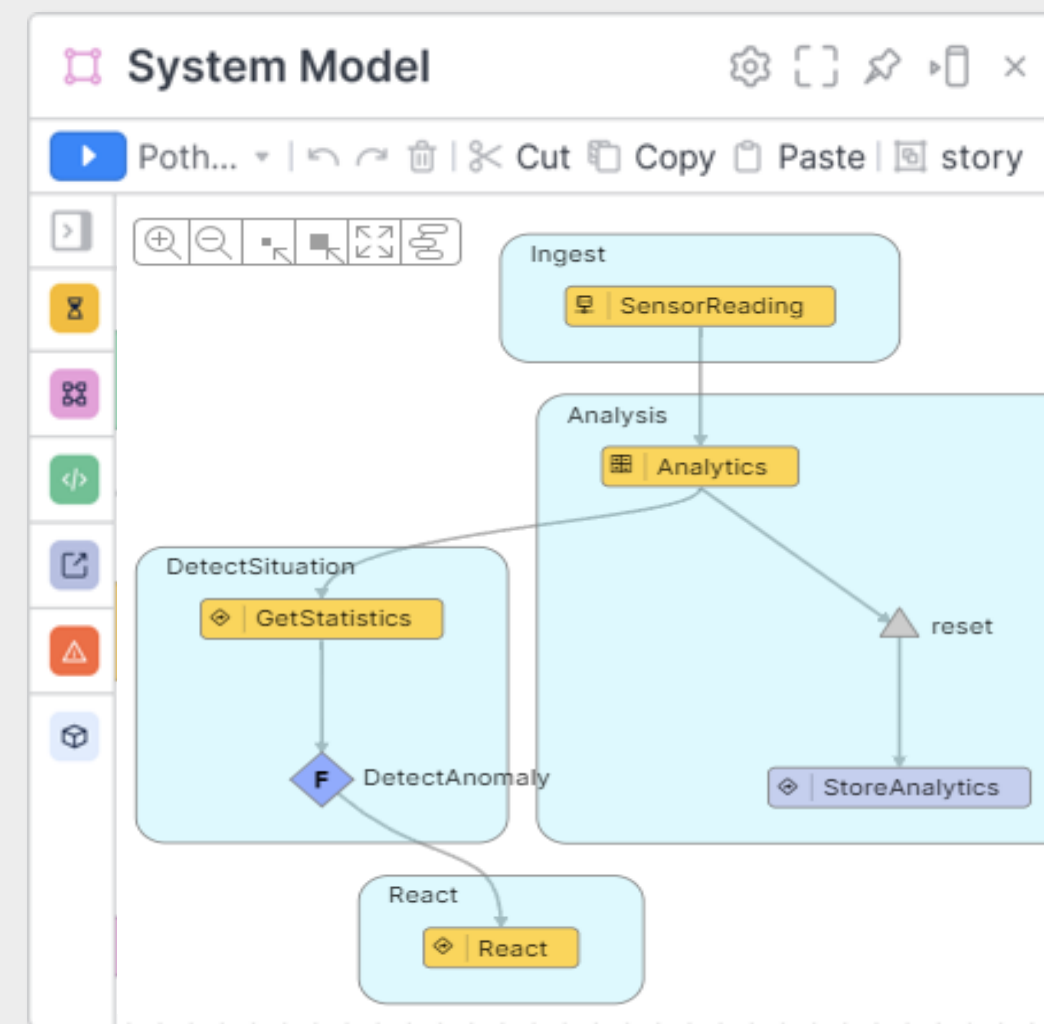
Sense

Ingest data from multiple sources, sensors, and live streams using modern ingestion and egress mechanisms



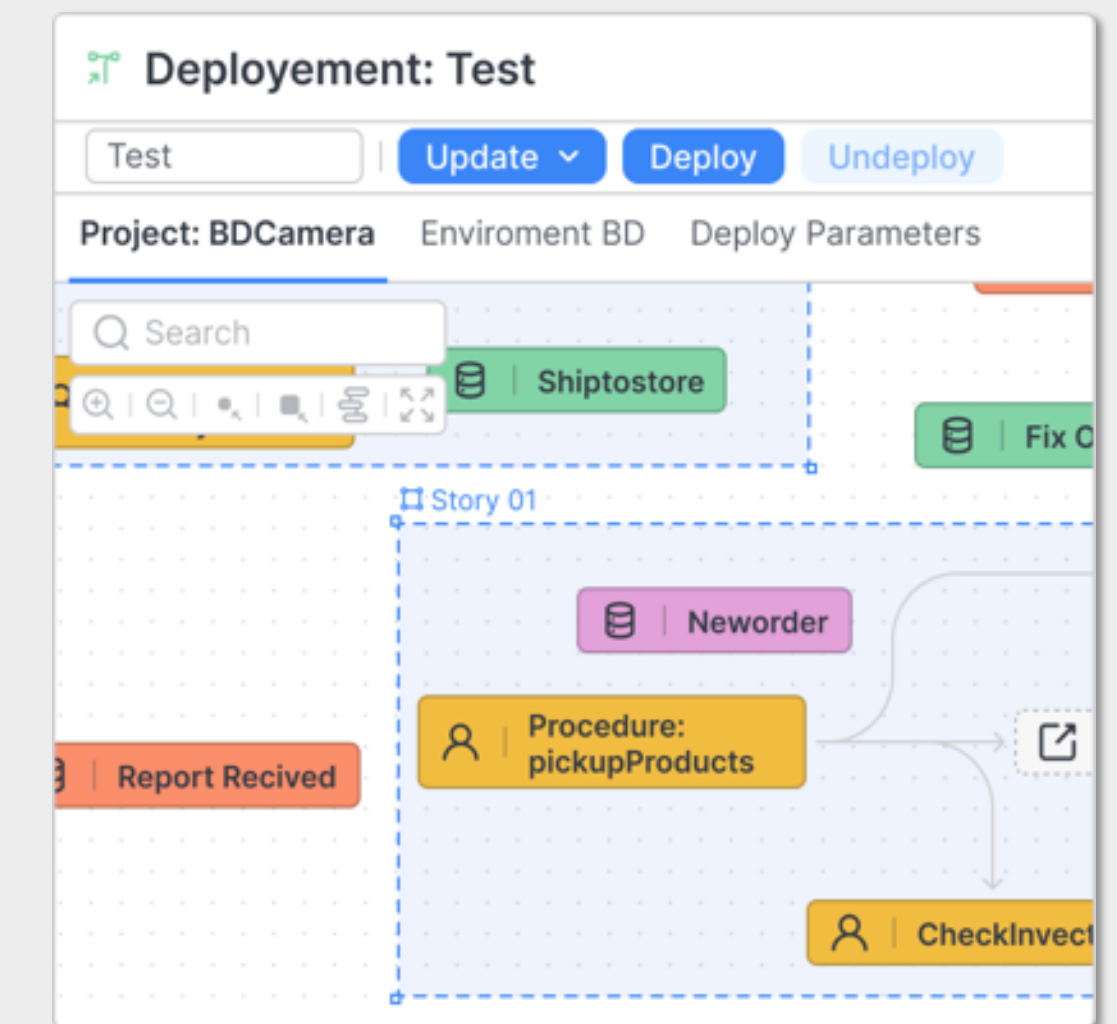
Make Sense

Analyze real-time data for situational awareness, identifying opportunities and threats to the organization



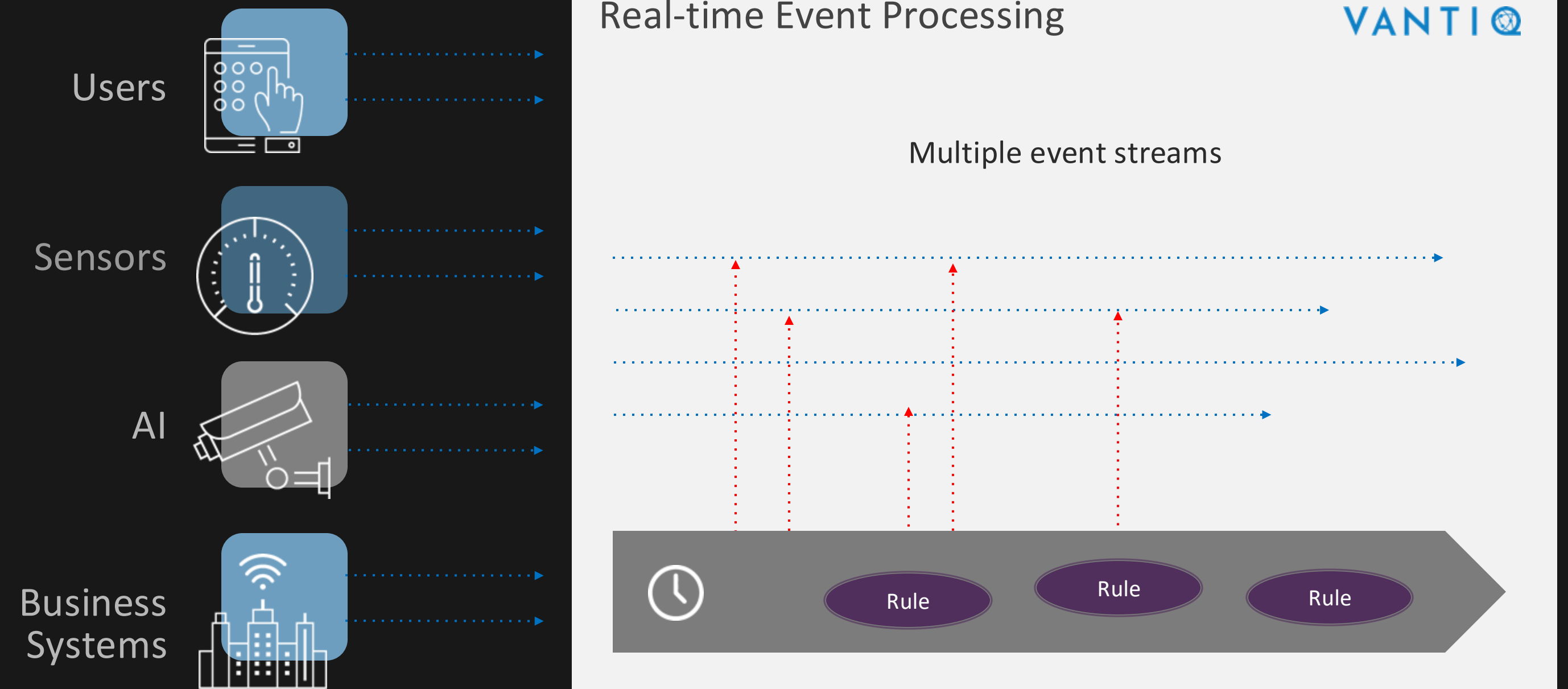
Act

Dynamically orchestrate AI, systems and people



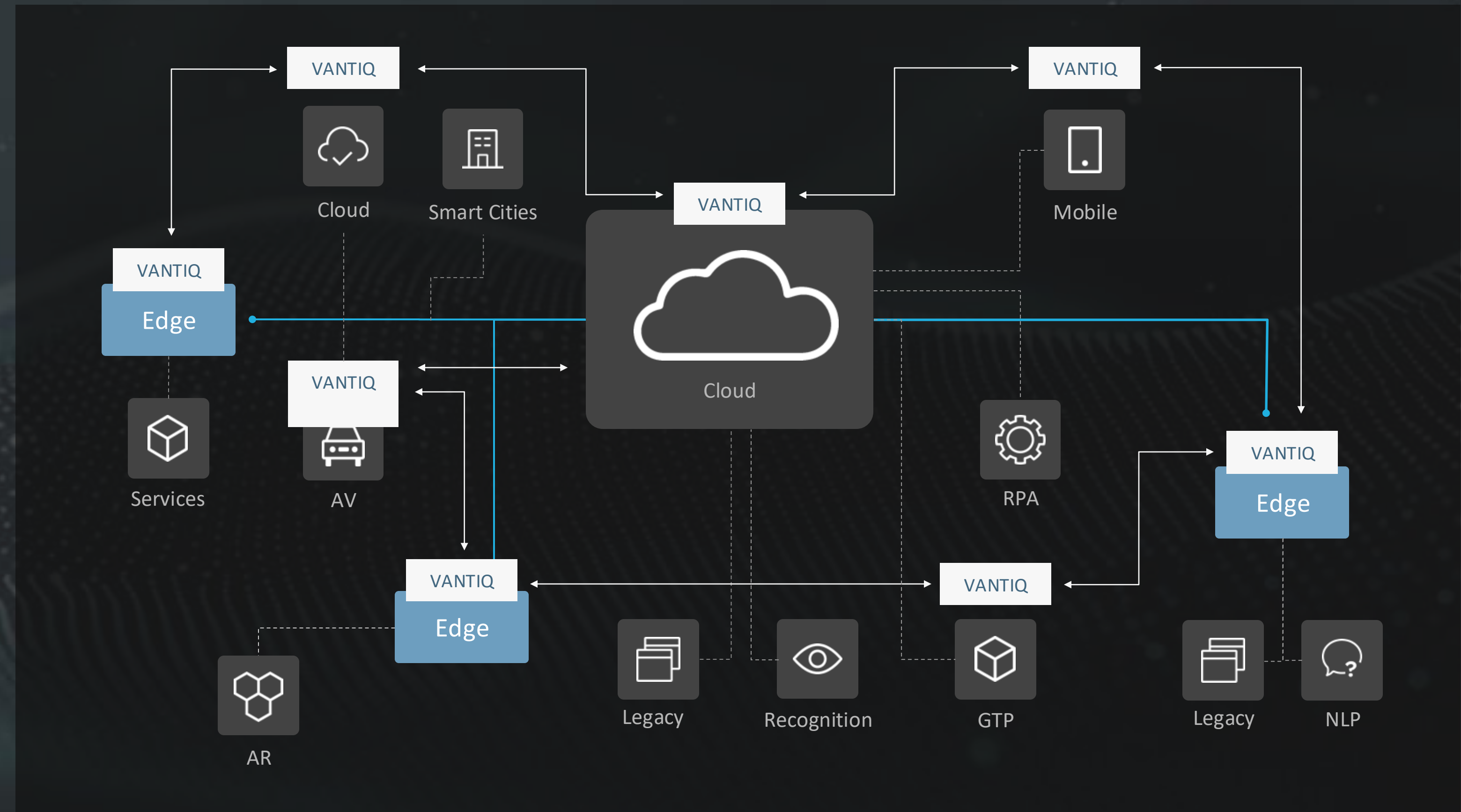
High performance event processing

- Built to handle hundreds of thousands asynchronous events per second (battle tested)
- Best-in-class 8ms processing time
- In-memory time series and multi-stream analysis
- 160+ pre-built integrations to connect to any data source
- Mission critical features including guaranteed messaging, dynamic routing, and fault tolerance

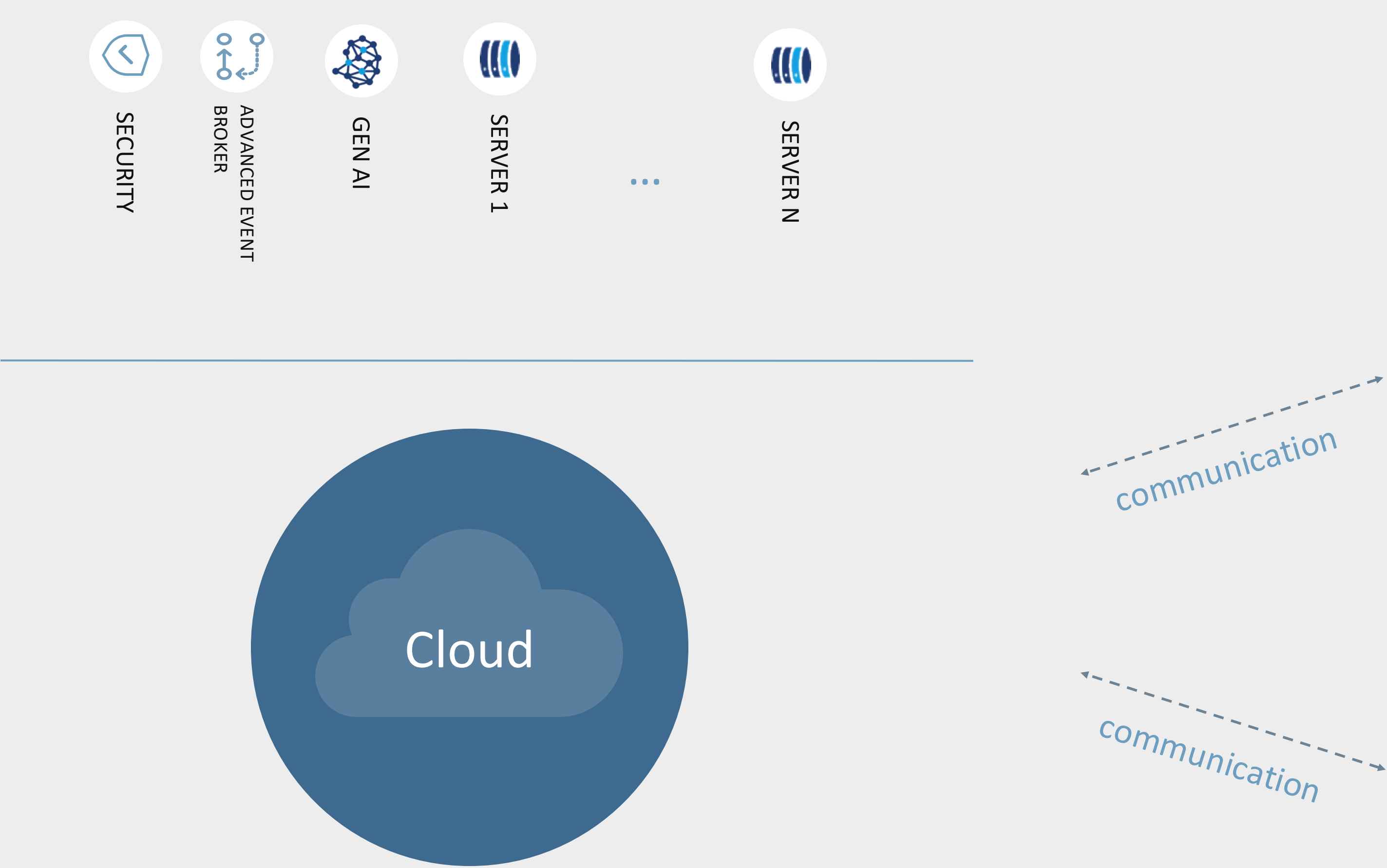


Dynamic edge-to-cloud deployment

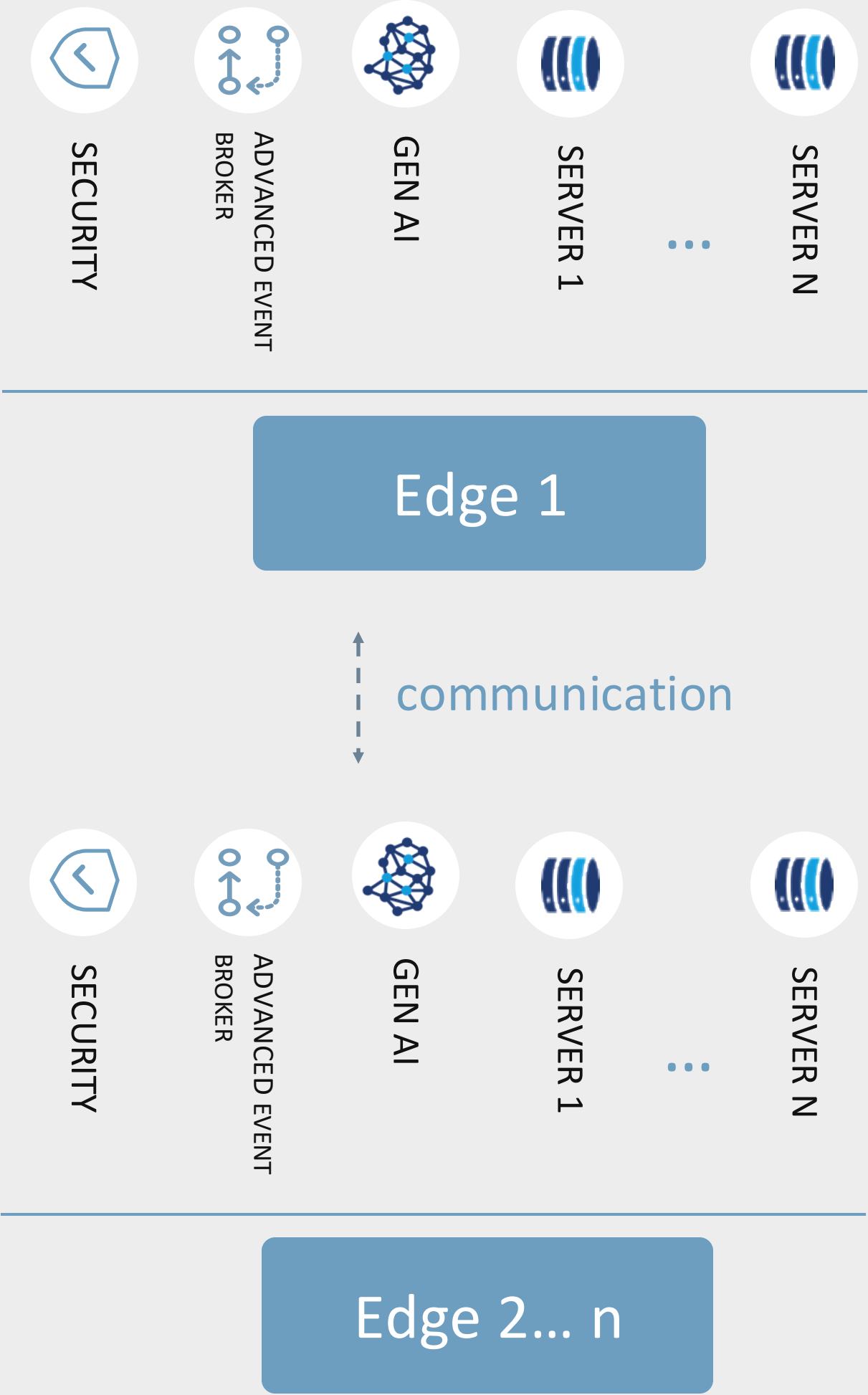
- Cloud and infrastructure agnostic
- Modular and federated to run on any location edge-to-cloud
- Automatic placement of application logic to optimize latency, performance, cost
- Integrates with existing systems
- P2P mesh-based networking between components with no points of failure
- Multi tenanted runtime can securely service many applications and users



Vantiq creates capabilities everywhere needed

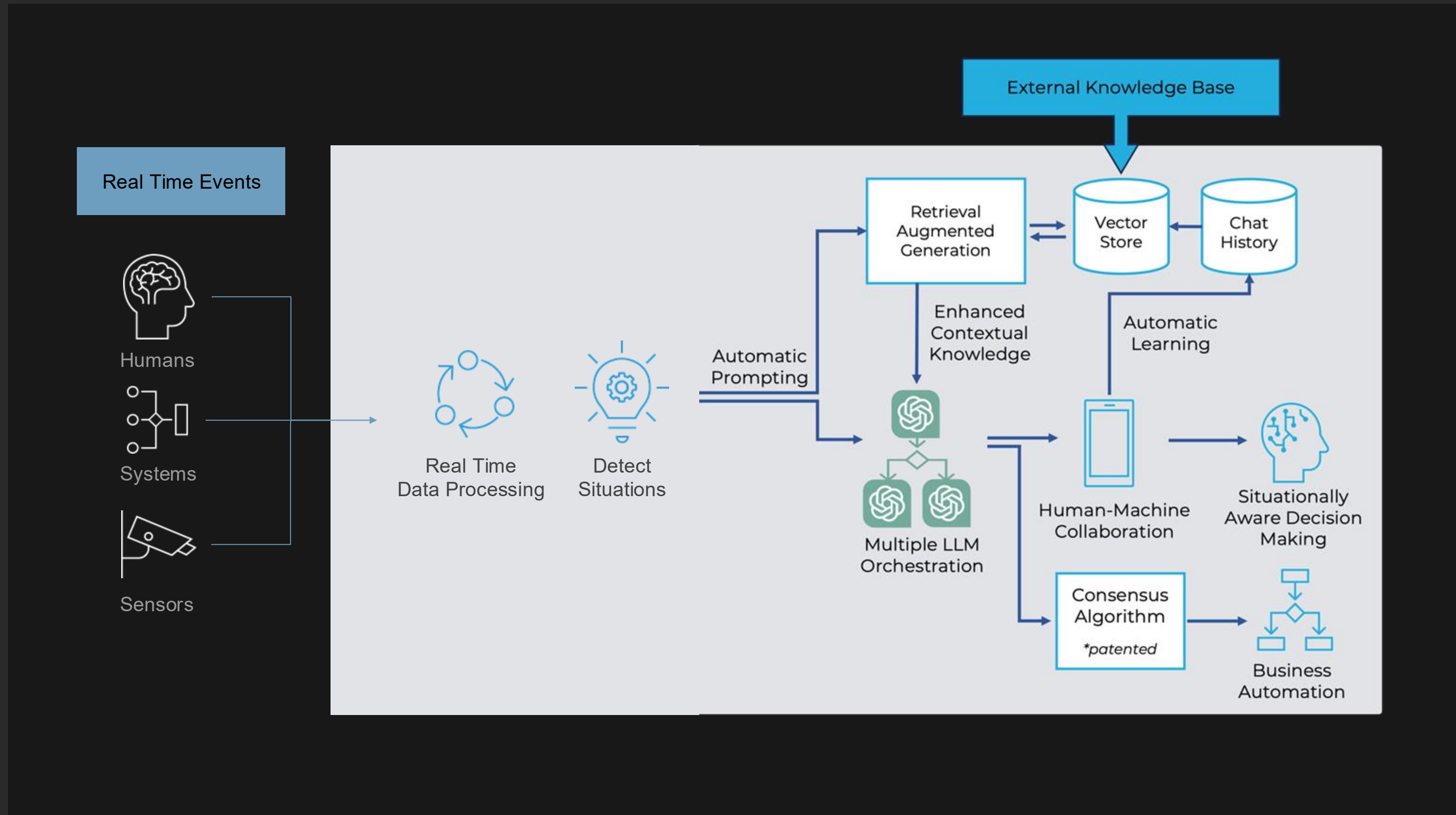


- cloud and edge



Real-time genAI intelligence

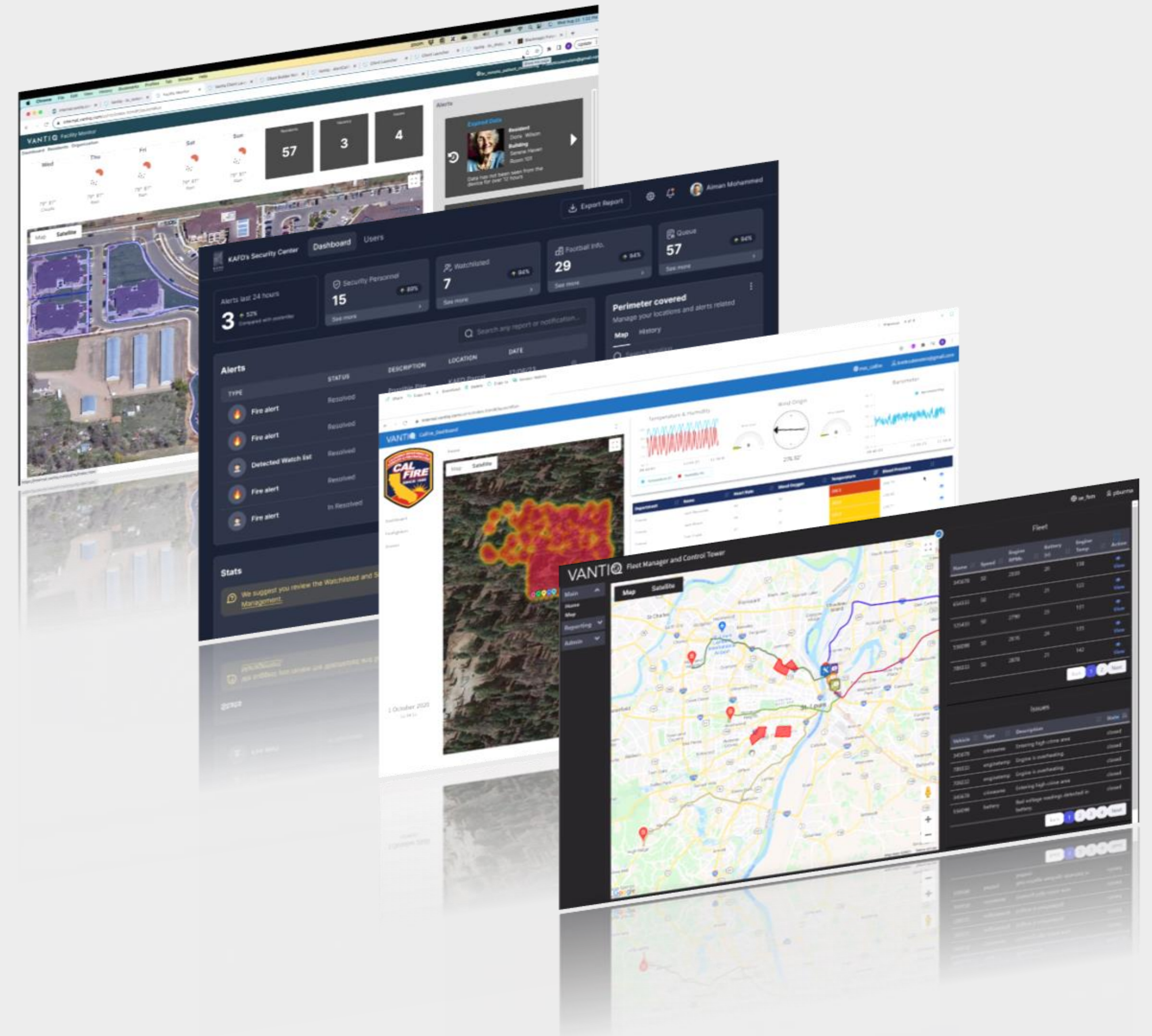
- Automatically prompts Generative AI to enhance contextual insights based on real-time situations
- Connects to real time sensor, location, social media, and business data
- Leverages knowledge base in real-time
- Dynamic communication
- Orchestration across multiple LLMs
- Facilitates real-time decision making, business automation, and conversations



Fast to build, easy to extend

- Low/No-Code
- Pre-built application components
- Covers complete application from
>Develop->Deploy->Manage
- 90%+ reduction in application development time,
resources and complexity
- Built for modern agile DevOps

Design-



Project Contents

Service: com.vantiqse.ards.GenerativeAI

Interface Implement Test

Search by name

Filter by Name

Components

Modifiers

Flow Control

Filters

Actions

Mobile

Vent

EstablishCollaboration

GetCollaboration

IdentifyPrompt

aQuestion

aStatement

aCommand

AnyType

GAI_Agreement

Agreement

NoAgreement

NoAnswer

Agree

Disagree

CantAnswer

addConvov2

VAIL

Notify

HospitalDashUpdate

SubmitPrompt

mobileRefreshConversation

LogStream

Save

Properties

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Debugging