What we do

Our solution helps **CSPs who want to reduce their operational and capital expenses** by orchestrating network data and automating processes

01

Cloud-based Data Orchestration

Siloed data is decoded, processed and enriched in an open format

02

Network Digital Twin/Model

Data from different vendors and technologies is modelled in a single Unified Data Catalog

03

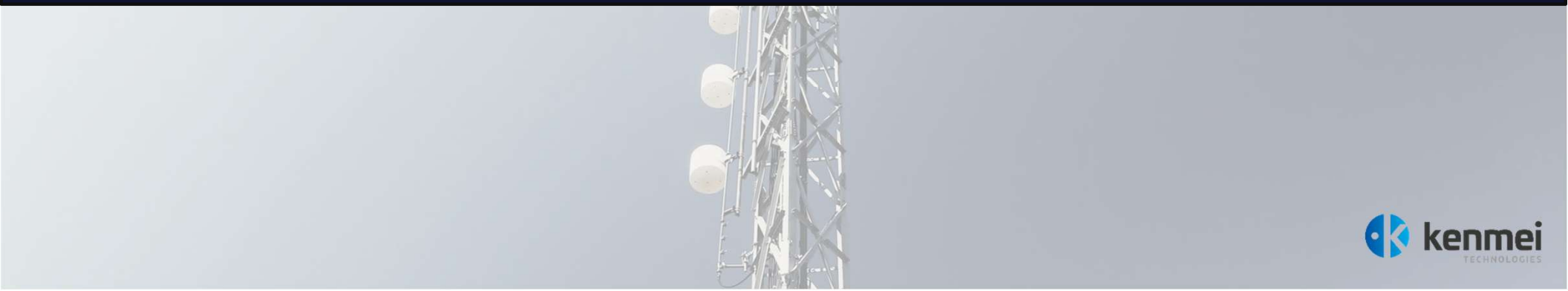
AI-based Telco Logic

Artificial Intelligence algorithms tackle specific issues

04

Workflow automation

Multiple Use Cases are implemented to provide task automation



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Our Solution

Leveraging mobile network data to provide cost-effective and valuable Use Cases

Multi-RAT, multi-vendor, multi-data

The solution takes advantage of most of existing network data sources to correlate them and increase the data added value

AI/ML automation

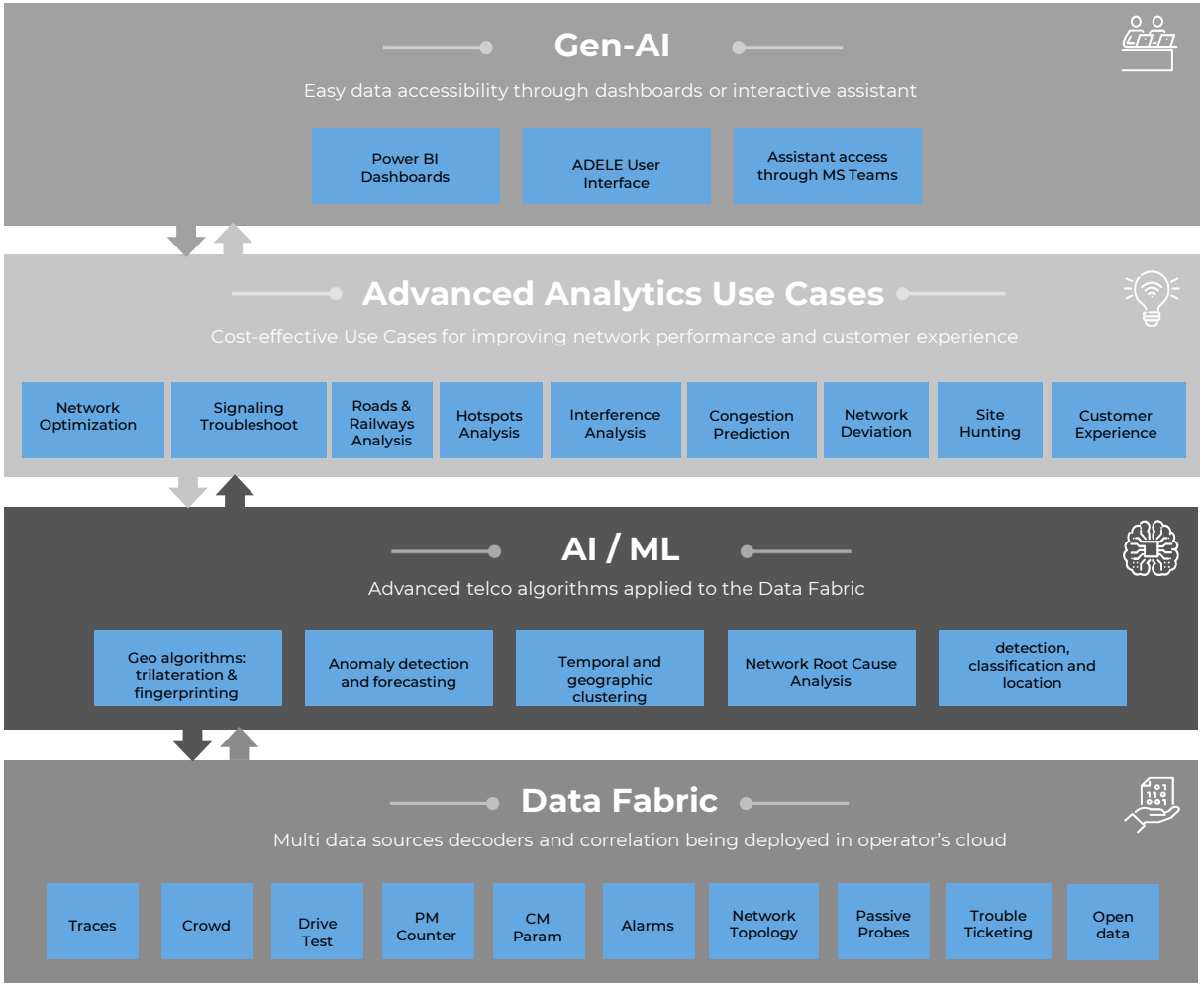
The solution implements multiple AI/ML algorithm to detect, classify and segment multiple issues

Cost-effective Use Cases

The combination of multiple data sources looks to identify the most cost-effective use case such as avoiding Drive Test in mobility scenarios, Automating Site Acceptance, Detecting Network Deviations, Handling Customers Complaints, ...

Gen-AI ready

Latest LLMs are employed to interact with the Use Cases, AI/ML and Data Fabric components



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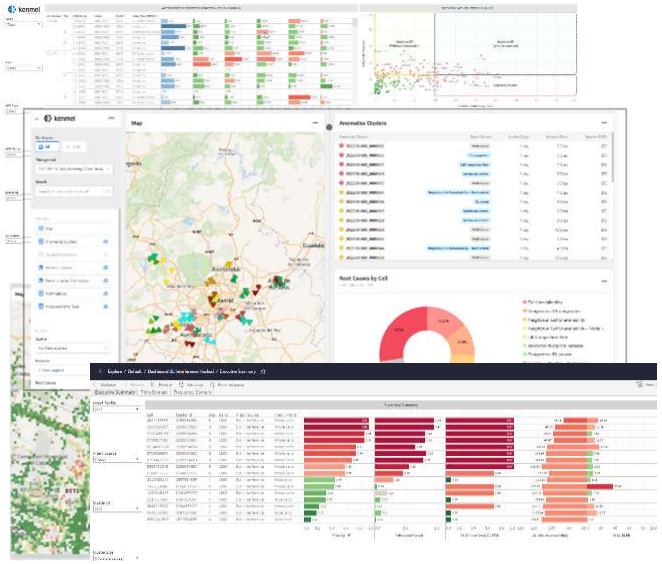
Our Product

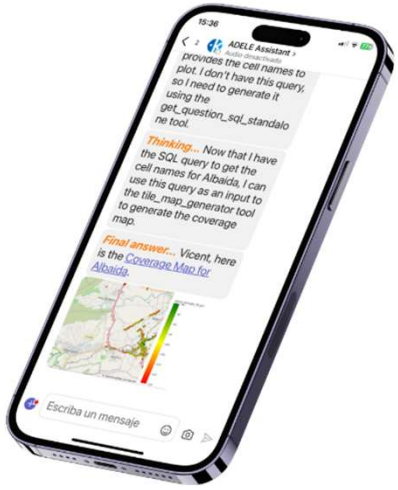
ADELE®

(Autonomous Decisions and Learning)

ADELE® is a **cloud-native software** designed to enhance efficiency by **automating network processes** and ensuring an optimal customer experience.

Our solutions are specifically designed to support operators **throughout their digital transformation journey.**





Web Application

Web-based interface with **Advanced Analytics & Use Cases** that present results for each of the available **AI/ML use cases** (Geo Analytics, Anomaly Deviation, Root Cause Analysis, Automatic Site Acceptance, UL Interference, Capacity management, Energy Saving, Customer Network Experience, ...)

Gen-AI Assistants

Generative AI assistants that interact with users through natural language interfaces (**GPT 4-o via MS Teams)** to query processed data and implemented Analytics use cases, for **increased efficiency and automated network management processes**.

DATA FABRIC

Data ingestion, decoding, processing and enrichment software that generate the required Data Model to be used ty upper solutions: web or LLM

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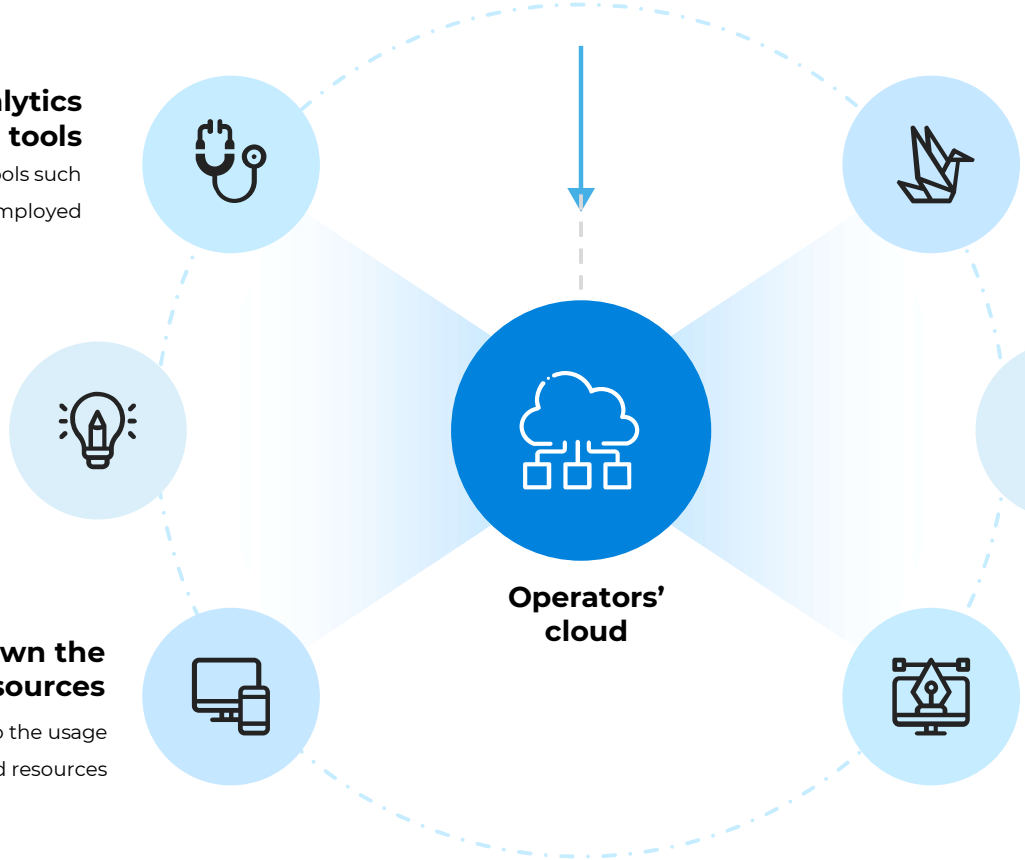
01 Telco Fabric

Kenmei's Telco Fabric decodes, correlates and processes multiple network data sources within operator's cloud



Easy-to-build analytics with BI tools

Once data is integrated, BI tools such can be employed

Cost-effective by using cloud providers' flat rates

CSPs could benefit from existing agreements with Cloud Providers

Scale up/down the required resources

Expenses are limited to the usage of the needed cloud resources

Availability for all RATs: from 2G to 5G

It is a special advantage due the large amount of Inter-RAT handovers in high mobility scenarios

Availability for all Network data

Support of CM, PM, FM, Call Traces, Probes, CRM, TT, Billing, Open data ...

Reusability of data processing for any Use Case

Data is decoded once, and it is used as many times as needed by multiple Use Cases

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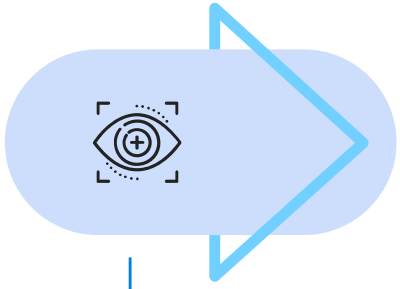
02

AI / ML

Kenmei's AI / ML advanced telco algorithms applied to the Telco Fabric

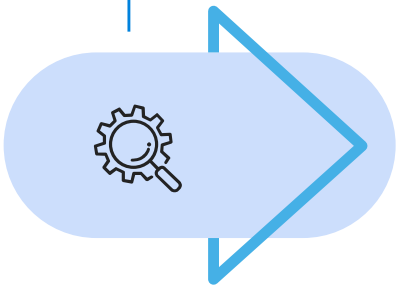
01. Detection
Algorithms identify different network issues such as congestion, interference, anomaly, bad QoS/QoE, etc.



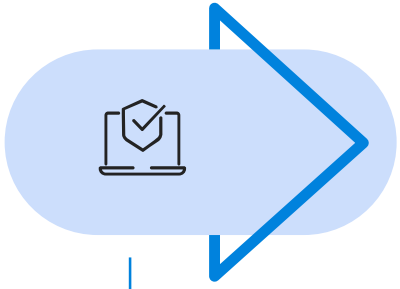
01

02

02. Classification
Each algorithm classifies the issue based on different categories: external / PIM interference, abnormal KPI deviation, bad quality, etc.



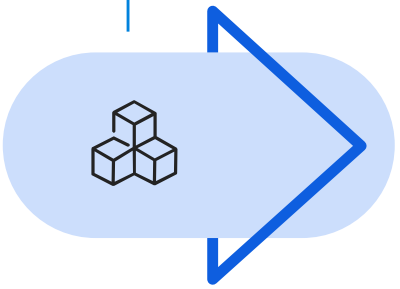
03. Prediction
In some algorithms there is a need to compare current values with predicted ones, such as in anomalies. **(Pattern Recognition)**



03

04

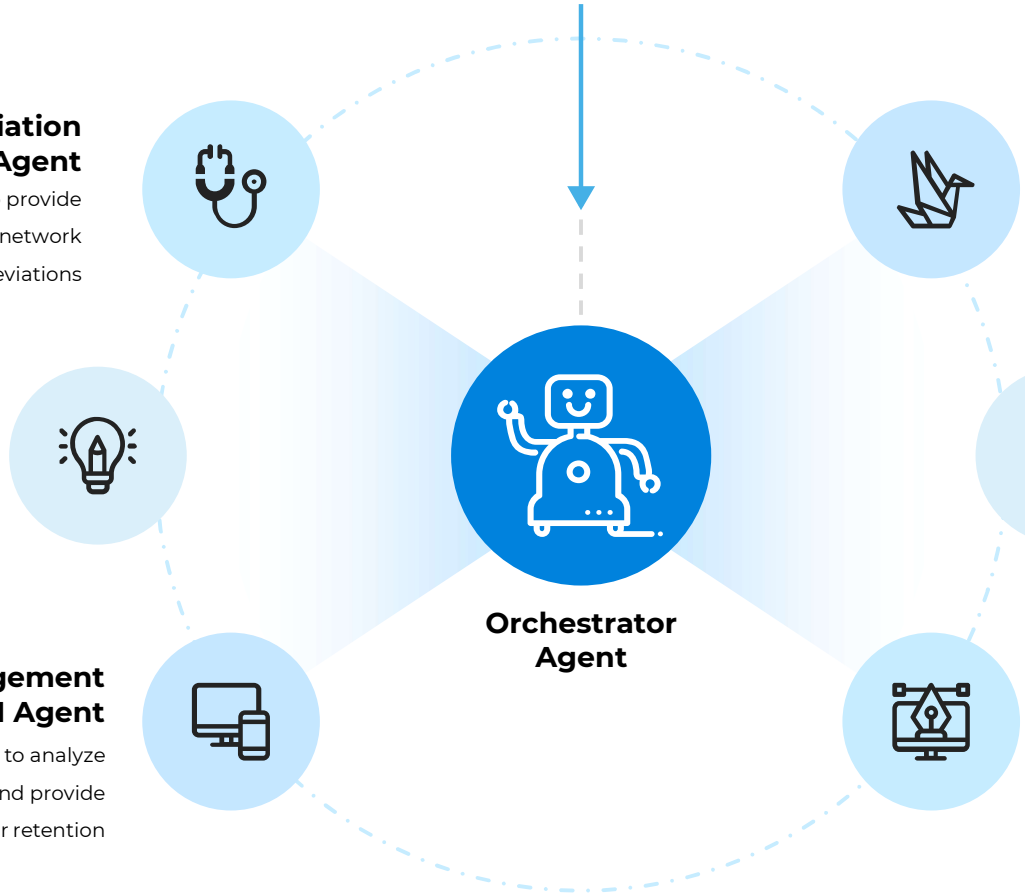
04. Segmentation
The output is presented per cell, POI, road, subscriber, subscriber's profile, in temporal or geographic cluster, etc. depending on the addressed use case or process.



03

AI Agents

Kenmei's AI Agents improving the overall network management process



Network Deviation Specialist AI Agent

The goal of this agent is to provide actions to mitigate network deviations

Telco Fabric Specialist AI Agent

The goal of this agent is to interact with existing data both from network and external (open data, UE, etc.)

Network Expansion Specialist AI Agent

The goal of this agent is to provide expansion plans due to traffic growth and capacity

Orchestrator Agent

Performance Analysis Specialist AI Agent

The goal of this agent is to provide on-the-fly analysis of network performance for multiple segmentations.(cell, POI, IMSI, VIP, ...)

Customer Management Specialist AI Agent

The goal of this agent is to analyze customer experience and provide insights ensuring customer retention

Network Troubleshooting Specialist AI Agent

The goal of this agent is to troubleshoot network issues, analyze root causes and provide actions to fix them.

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