Traditional AI

Traditional AI refers to the use of algorithms and machine learning techniques to perform specific tasks or solve problems based on predefined rules and patterns. It relies on large datasets to train models and make predictions or decisions.

Generative Al

Generative AI, often referred to as GenAI, is a subset of artificial intelligence that focuses on creating new content autonomously. These systems, trained on extensive datasets, can produce original outputs such as images, text, or music that closely resemble human-created content.

For Telco leaders

it's vital to understand how both traditional Al, which helps with structured data analysis for efficiency, and GenAl, which brings innovation like content generation and personalized customer experiences, impact the industry. Having a strategic approach in implementing Al solutions, such as setting top-down strategies, reimagining workflows, and making informed decisions on buying or building AI tools, is essential.

These insights

help Telco leaders navigate the Al landscape in 2024 effectively, ensuring their organizations benefit from Al's capabilities to stay competitive and deliver real business

(Gen) Al - Transforming Telecommunications

Value of (Gen)Al for the Telco industry



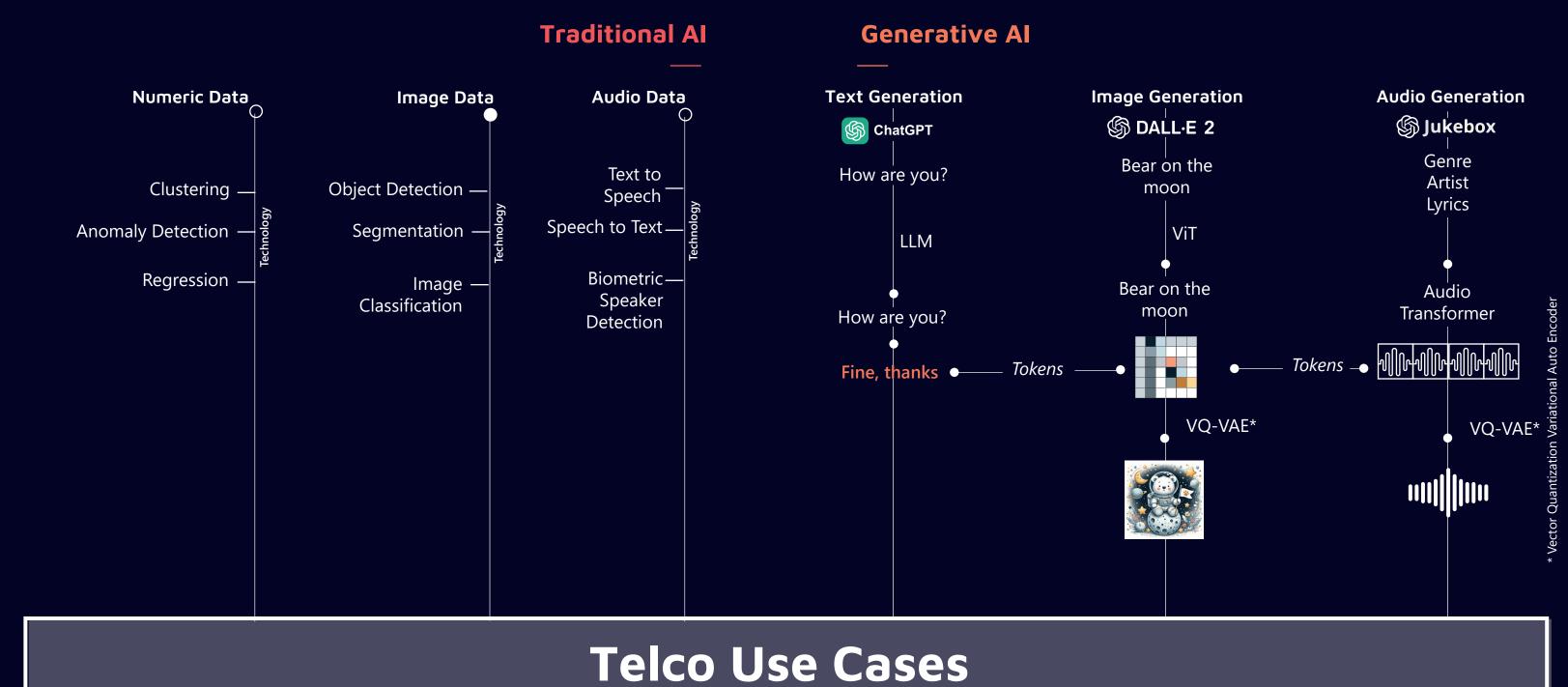
human-serviced contacts (McKinsey)



Increase in Network Efficiency and Reliability (Deloitte)



Reduction in customer churn through Al-powered personalization (McKinsey)





Service quality: Jitter detection & bandwidth monitoring



Automatic error detection in wiring



Support for field engineers with augmented and mixed reality



Network

infrastructure inspection and maintenance



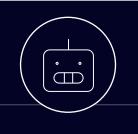
Optimization of infrastructure expansion



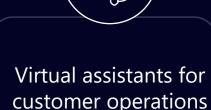
Image Analysis for documentation purposes



Network/Service outage prediction



Automatic response to service requests





Content-based distribution of service requests



GenAl-based automated IVR



Knowledge hub & employee self-improvement



Virtual assistant for customer self-service

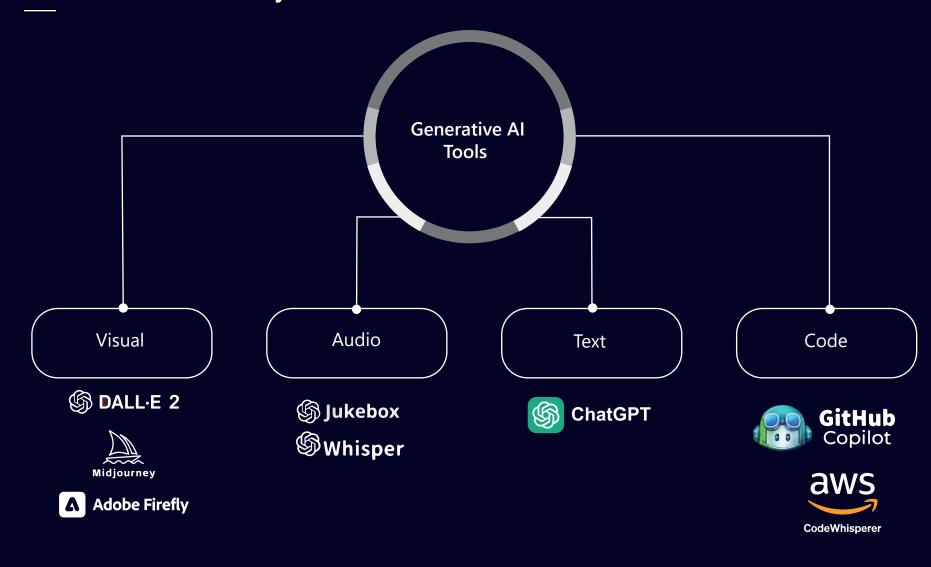
valantic

Gen AI - An Overview

A large language model (LLM) is a specialized type of artificial intelligence that has been trained on vast amounts of text to understand existing content and

Prompt engineering is the process of writing, refining and optimizing inputs, or "prompts," to encourage generative artificial intelligence (AI) systems to create specific, high-quality outputs.

A GenAl Tool for every Task



LLMs in Comparison:

Tech Comparison			
	Context # tokens	MMLU Multi-task Language Unrstanding	Parameters ~estimated
OpenAl Chat GPT	32-128k	86.4%	1,8tn
Anthropic Claude	200k	88,2%	500bn
Google Gemini	128k-1mn	90%	>1,8tn

Get the Prompt done

