

# Navikenz

## Overview

NAVIKENZ is a data analytics and AI technology service provider. It is headquartered in New Jersey, U.S., with offices in six locations across three countries. Harnessing advanced analytics, deep learning and GenAI supported on a scalable cloud infrastructure, NAVIKENZ empowers enterprises with a data-driven culture to unlock data value, foster innovation and drive informed decision-making.

### Key Provider Capabilities

- Industry-focused AI expertise:** NAVIKENZ provides AI-driven solutions tailored for life sciences and healthcare, focusing on pharmaceutical R&D, clinical data management and regulatory reporting. Its comprehensive approach to data management, analytics and governance enables businesses to make informed decisions, foster innovation, achieve sustainable growth and attain competitive advantage.
- Comprehensive data lifecycle management:** NAVIKENZ transforms business processes by democratizing access to real-time data and designing use cases with an outcome-driven approach. This approach empowers

clients to maximize digitalization, broaden data accessibility, clearly understand business performance, user experience and identify new growth opportunities. Its data visualization services generate actionable insights, enhancing decision-making through visually engaging dashboards.

- Business solution consulting:** NAVIKENZ collaborates with clients to define priorities, identify solutions and create implementation roadmaps that deliver timely business benefits. Its services leverage analytics and AI to meet business needs and are supported by a team of domain experts. The company develops a comprehensive data strategy, identifies data sources and implements solutions using its

SDLC framework to ideate, develop, test and deploy scalable solutions.

- Data trust, governance and security:** NAVIKENZ implements secure metadata layers to control, audit, encrypt and manage user access to sensitive data effectively. This allows for the trustworthiness, consistency, lineage and stewardship of datasets. Its comprehensive data governance capabilities ensure compliance and risk management for healthcare enterprises, adhering to GDPR, HIPAA, PCI and the U.K. Cyber Essentials standards.

### Benefits Delivered

- NAVICADE reduces the time needed to complete the safety management process by up to 20 percent.**
- Reduces Periodic Adverse Drug Experience Report (PADER) generation time from 90 days to 15 days, utilizing GenAI.**
- Reduces manual review effort spent in evaluation and creating pharmacovigilance agreements by up to 50 percent.**

# Navikenz

## Sweet Spot

- NAVIKENZ specializes in providing data, analytics and AI services to clients in North America, Western Europe and India, particularly for pharmaceutical and healthcare providers. The company offers a range of pre-built technology solutions and frameworks to accelerate delivery and optimize costs through greater reuse.
- NAVIKENZ focuses on improving clinical R&D outcomes by integrating advanced analytics and AI into various drug and treatment discovery stages. This approach enables life sciences organizations to lower development costs and ultimately benefit patient outcomes.

- Its AI-powered solutions optimize pharmacovigilance processes to improve efficiency, accuracy and effectiveness in drug safety monitoring, adverse event detection and public health protection. Its solution employs ML and NLP algorithms to extract adverse events from unstructured data and automate related activities, transforming the management and analysis of drug safety data to ensure improved patient safety and regulatory compliance.
- In healthcare, NAVIKENZ enhances clinic management through schedule forecasting by employing techniques such as ML, mathematical programming and constraint programming. This forecast of patient flow and the purpose of visits leads

to better resource utilization, reduced patient waiting times and improved operational effectiveness.

- NAVIKENZ offers GenAI solutions across a variety of business functions. For instance, NAVISCRIPt streamlines data collection, analysis and report generation with reusable templates to minimize the risk of errors in regulatory reporting related to product quality, safety and efficacy. The company also provides NECTARBOT, a framework for exploring various GenAI use cases across domains using state-of-the-art open-source large language models (LLMs).

## Future roadmap

NAVIKENZ will expand its capabilities in data engineering, analytics, AI and GenAI through:

- Adopting a data mesh architecture to allow data products to act as reusable assets focused on specific business outcomes.
- Launching comprehensive frameworks for DataOps and LLMOps to ensure continuous development, monitoring and improvement of analytics applications.
- Creating pre-built healthcare analytics solutions for operational excellence and value-based healthcare management.
- Developing full-scale business process management (BPM) services, including process mapping, automation assessment, intelligent process automation, intelligent document processing (IDP) and integration of GenAI.