

Telenav Automotive Search Makes the Drive Meaningful

Powerful and personalized search
simplified for driving.

Combining sophisticated natural language processing with intuitive one-box text entry, our intelligent search platform empowers drivers to effortlessly locate any destination, point of interest, or address through the way they naturally communicate.



Deep Semantic Understanding

Telenav's Automotive Search goes far beyond conventional keyword matching, delivering true understanding of search intent through the lens of real-world conversation. Our advanced semantic engine analyzes context, intent, and linguistic nuances to accurately connect drivers with their desired destinations — even when queries use nicknames, colloquialisms, or cultural references that don't precisely match official names. This intelligent matching eliminates the frustration of missed results and ensures every search delivers accurate, relevant outcomes that align with how your customers naturally think and speak.

Natural Language Usage

Powered by cutting-edge large language models, Telenav's search delivers sophisticated natural language comprehension that mirrors human conversation. Drivers can search for destinations, addresses, or cities using intuitive voice commands in their own words—no rigid syntax required. With comprehensive language recognition spanning all globally supported markets, finding your destination becomes as simple as asking a question.

Multilingual and Global

Built for a connected world, our solution provides comprehensive support for multiple languages and interaction modes, ensuring confident search experiences regardless of location or communication preference. With robust voice and text recognition across all supported languages, Telenav's AI Search is perfectly positioned for global deployment and international travelers.

Continuous Learning and Improvement

Our AI search technology continuously evolves through machine learning, adapting to emerging language patterns, new destinations, and shifting user expectations. This commitment to ongoing enhancement ensures your solution remains current, relevant, and responsive as markets evolve and customer needs change.

End-User Experience

Driver-Based Relevant Results



Our streamlined, AI-enhanced search delights drivers by delivering far more than basic location lookup. Through sophisticated AI algorithms, contextual awareness, and continuous learning, search results are intelligently tailored to individual drivers and their specific circumstances, providing highly relevant and timely recommendations.

Safety is Always the Priority



Driver safety remains our paramount concern. Voice-activated search functionality enables hands-free operation, minimizing distraction and keeping drivers focused on the road. Our highly relevant ranking algorithms ensure desired destinations appear prominently in results for quick, effortless selection—keeping eyes on the road and hands on the wheel.

Semantic, Natural Language Search is Intuitive



Whether utilizing the traditional search box or voice recognition, our semantic search technology understands intent through natural language processing. Drivers can query any destination type—addresses, points of interest, categories, or cities—using conversational language without memorizing commands or syntax rules. The experience is effortless and intuitive.

A Truly Global Product



Telenav's search solution powers navigation experiences across six continents, over 100 countries, and supports more than 30 languages. Our AI-enabled language models semantically interpret user intent universally, regardless of country or language. By integrating content from both global and regional data vendors, we maximize coverage and relevancy across all supported markets, delivering consistent excellence worldwide.

Telenav Search At-A-Glance

CONTEXT AWARE REFINEMENT (COMING SOON)

Our AI-powered search maintains conversational context throughout each session, enabling drivers to progressively refine results through natural follow-up queries. Users can seamlessly narrow their search criteria (“find Italian restaurants”... “dog friendly”... “with at least 4-star ratings”) without redundant repetition. This intelligent context awareness transforms the search experience from a transactional tool into an intuitive dialogue with a knowledgeable digital assistant.

Personalized and Contextual Results

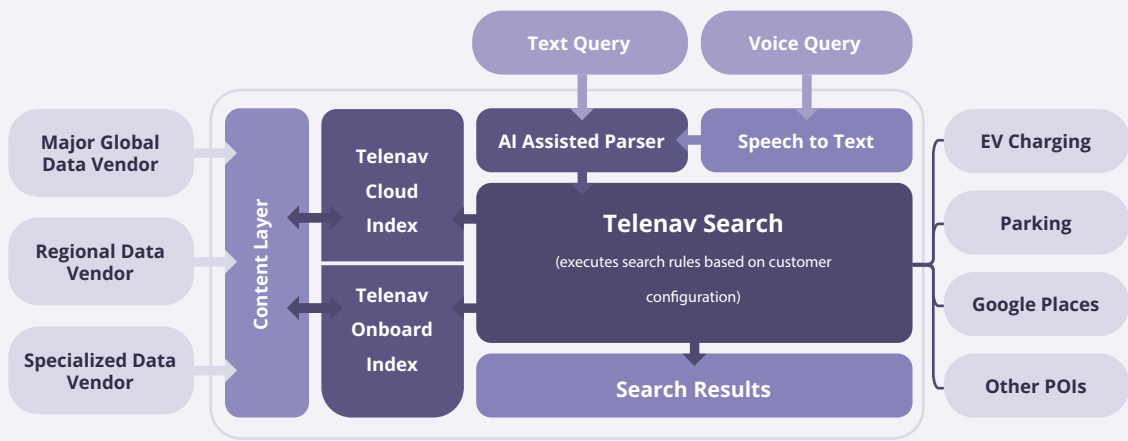
Telenav’s AI continuously learns from individual driving patterns, preferences, and journey history to deliver increasingly relevant results. The system intelligently recognizes frequently visited locations along common routes and prioritizes preferred brands in search rankings, creating a truly personalized navigation experience that anticipates driver needs.

Data Vendor Agnostic - Includes Google Option

Telenav has forged strategic partnerships with leading global and regional data providers, offering unparalleled flexibility in solution configuration. Tailor your search implementation to optimize for regional requirements and budget parameters—from premium global search products to cost-effective regional deployments. Additionally, our Google partnership enables a familiar Google-style search experience as an available option.

Hybrid Design Supports Both Cloud and Onboard (Edge) Search

Engineered to address the unique complexities of automotive environments, Telenav’s search architecture delivers flexibility without compromise. Full cloud connectivity provides access to the freshest, most comprehensive search data when available. Simultaneously, our robust onboard search capability ensures reliable performance when connectivity is limited or unavailable. Regular over-the-air (OTA) updates maintain onboard data currency, guaranteeing a premium search experience in any scenario.



TYPES OF LOCATION BASED-SEARCH

- › Around
- › Near Destination
- › Search around a destination
- › What/Where
- › POI near POI
- › Along Route
- › By Radius
- › Polygon
- › Bounding Box
- › Exit Search
- › Group Search