



AccelPath + VASNet

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AccelPath + VASNet

A Dual-Use Software Platform Architecture Pairing Predictive Agentic NeuroAI Analytics with Secure Zero-Trust Edge Telemetry and Storage Infrastructure.

Consolidated Tech Stack Engine

VASNet [Edge Telemetry & Communications Protocol](#)

Handles highly resilient, secure, low-bandwidth edge networking. Designed to compress, encrypt, and stream vital operational and clinical telemetry. VASNet (Video Summarization with Attention Network) is a deep learning architecture.

AccelPath Insight [Predictive NeuroAI & Diagnostics](#)

A real-time analytics layer leveraging Agentic AI frameworks. Processes behavioral data, motor signals, and vital telemetry to establish predictive baselines.

AccelPath Virtual LockBox [AI-Secured Endpoint & Cloud Storage](#)

A localized, encrypted storage vault running directly on user endpoints with secured cloud storage.

Product Research, Development, and Commercialization Target Sectors

- 1. Healthcare Continuum & Senior Living** (Longevity Economy, Aging-in-Place, and Dementia Prevention)
- 2. Public Healthcare + Life Science** (State/Rural Healthcare and Decentralized Clinical Trials)
- 3. Hospital-at-Home** (Post-Acute Care Optimization)
- 4. Corporate Safety & Tactical Defense** (Occupational Health & Industry Safety, and US Military)



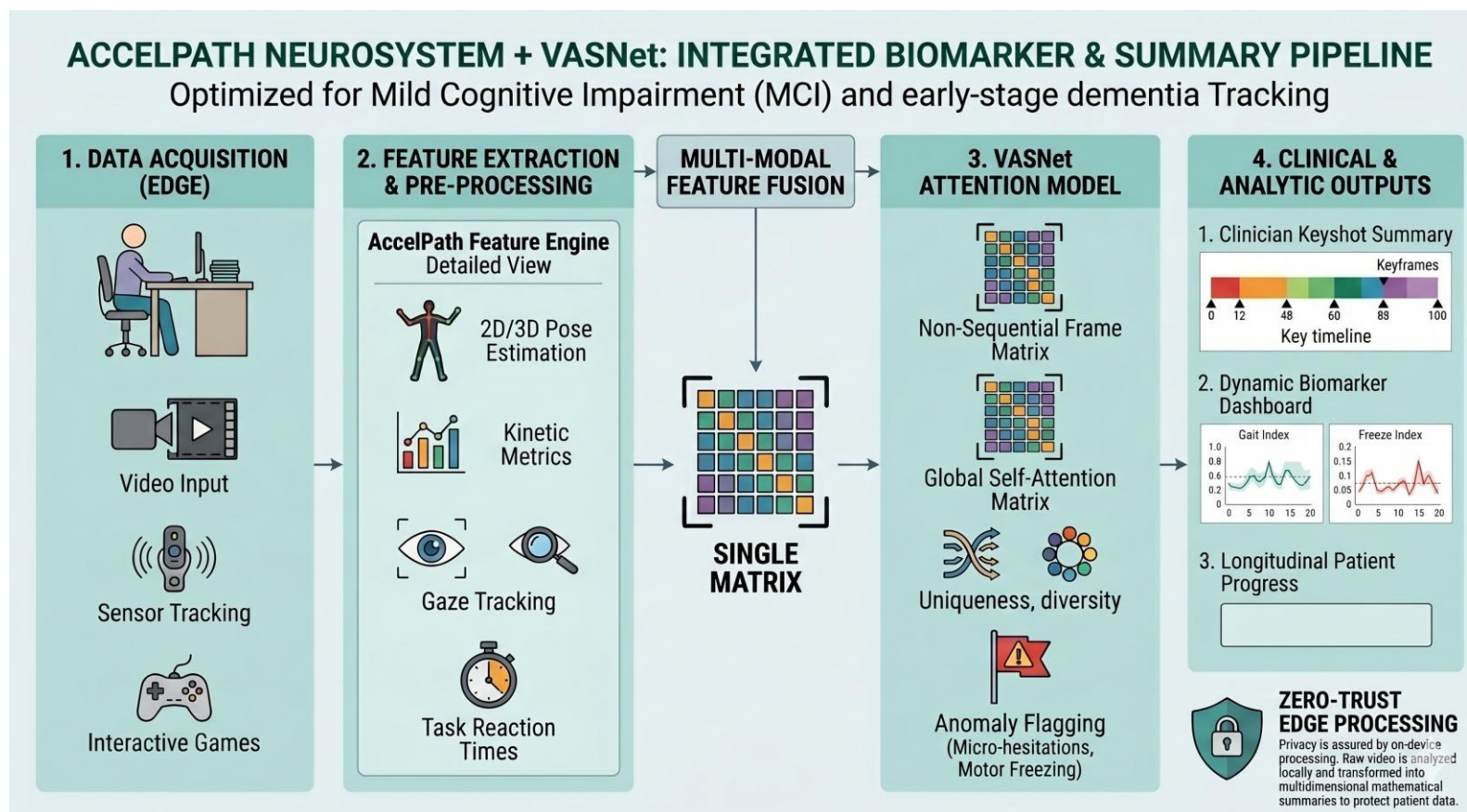
Alzheimer's Disease & Progressive Dementias: An estimated **460,000 Texans aged 65 and older** are currently living with Alzheimer's disease, making Texas the **3rd highest state in the nation** for overall prevalence.

Parkinson's Disease: There are over **52,500 tracked cases** of Parkinson's disease among Texas adults, with the state's southeastern corridor noted for carrying an above-average incidence rate as the population continues to age.

Mild Cognitive Impairment (MCI) & Subjective Cognitive Decline (SCD):

Strikingly, **15.9% of Texas adults aged 45 and older**—representing **well over 500,000 individuals**—are actively experiencing subjective cognitive decline, which involves worsening memory and thinking problems that serve as the critical pre-clinical window for early tracking.

The Functional Impact: Among those Texans experiencing early subjective decline, **45.9% face functional difficulties** with day-to-day activities (such as household tasks, work, or social navigation), yet **fewer than half (44.0%)** have actively spoken to a healthcare professional about it.



Initial Validation Phase & Seed Funding Anchor

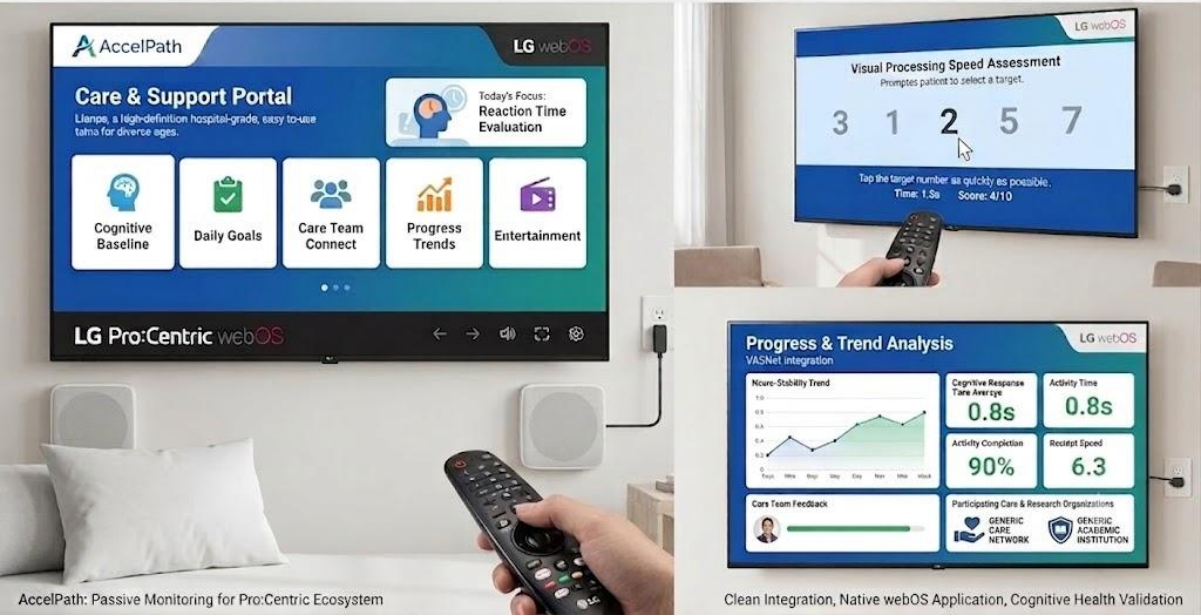
- **Beachhead Market Selection:** Focuses on adults with Mild Cognitive Impairment (MCI) and early-stage dementia (including Alzheimer's or Parkinson's) for initial Customer Discovery and MVP development.
- **Strategic Funding Milestone:** Targeting a January 2027 seed funding grant submission (\$1.8 million) to the Dementia Prevention and Research Institute of Texas (DPRIT) Product Development Research program, which includes clinical validation, GTM execution, and the acceleration of commercial translation.
- **Capital Availability:** DPRIT is a newly established statewide agency backed by \$3 billion, providing \$300 million annually for 10 years.



The LG webOS & Google Android Dual-Ecosystem Pipeline

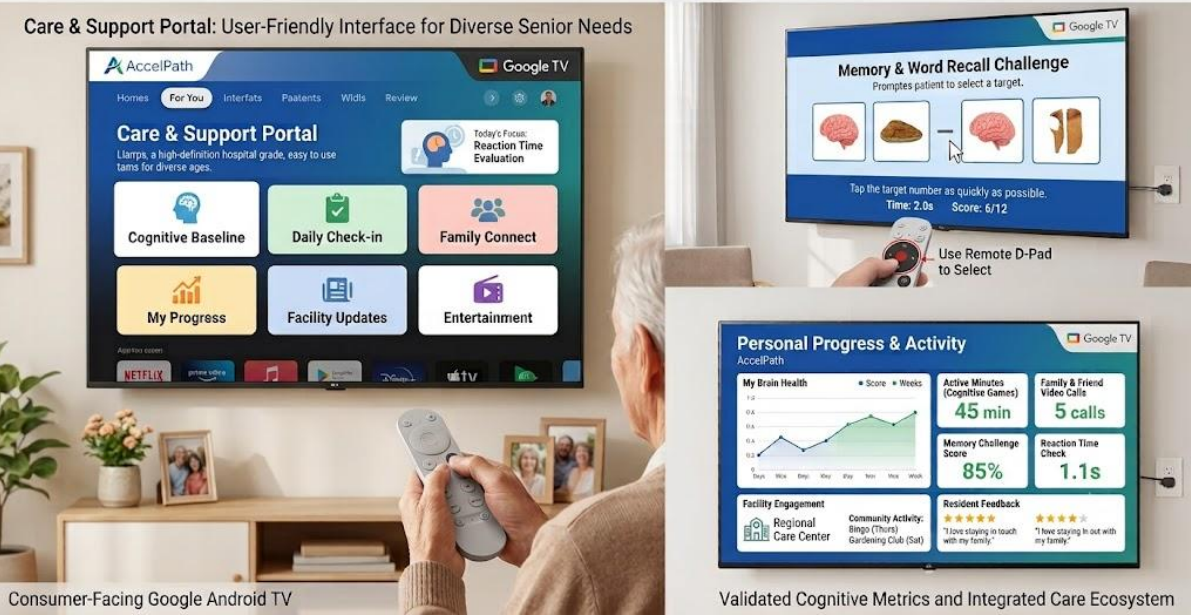
Unifying enterprise clinical displays and personal consumer touchpoints into a single, seamless platform for tracking of **Mild Cognitive Impairment (MCI)** and **Subjective Cognitive Decline (SCD)** in aging populations.

LG Pro:Centric (LG webOS) - AccelPath side-loaded app



LG Hospital Pro:Centric® and UL Hospital Grade Listed.

AccelPath on Google Android TV: Supporting Senior Cognitive Health



Also available for many types of Android tablets, smartphones, and smartwatches.

Introducing AccelPath: A Unified Platform for Senior Cognitive Health

Seamless Data Integration and Proactive Passive Monitoring Across Institutional and Consumer Smart TV Ecosystems



Digital Transformation Advisors™



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