

VANTIQ | TRELLIS DATA^{TD}

Real-time intelligence for safer, smarter cities

Tackling the complexities of modern urban environments

Cities today face escalating challenges—from rising safety concerns and emergency response delays to language accessibility barriers and operational inefficiencies. These issues are exacerbated by siloed systems, fragmented data and outdated infrastructure. Much like legacy systems in industrial sectors, traditional urban IT architectures are often too rigid and reactive to deliver the real-time intelligence today's cities demand.

Trellis Data and Vantiqu are partnering to change that—bringing together explainable AI, sovereign data capabilities and real-time system AI orchestration to empower smarter, safer and more equitable cities.



The root cause...

Urban centers often rely on legacy systems that lack the intelligence, agility, and scalability to respond in real-time to evolving scenarios. This results in:

- **Delayed response times** – legacy systems and fragmented data make real-time orchestration across devices, humans and AI nearly impossible
- **Data overload and blind spots** – conventional architectures can't adapt quickly to changing conditions, resulting in inefficiency and operational risk
- **Equity and accessibility gaps** – decision-making lags behind real-world events, undermining competitiveness and safety

A real-Time, AI-driven solution

Trellis Data and Vantiqu have partnered to create intelligent, sovereign solutions that empower cities to act with speed, clarity, and precision.

By integrating Trellis Data's TIP Secure Suite (Speech, Vision, Chat) with Vantiqu's real-time AI intelligent platform, this joint solution enables

Key features include



Real-time speech & vision insights

Trellis TIP Secure Speech and Vision detect spoken keywords, stress signals and visual threats, such as weapons or biosecurity risks, in real-time.



Fast, adaptive AI orchestration

Vantiqu enables AI insights to be operationalized instantly—alerting authorities, triggering workflows and automating responses in milliseconds.



Multilingual civic engagement

Trellis Secure Chat—powered by AI—offers citizens natural language access to government services across dozens of languages.



Complete data sovereignty

Both platforms are designed with sovereign data control in mind—ensuring compliance, privacy and trust across jurisdictions.

Why Trellis chose Vantiq

Reliability



Patented technology ensures systems perform when it matters most

Scalability



Grows with your needs—without hidden costs

Agility



Rapid development and innovation, driving lower costs and faster results

Trustworthy



Patented technology to dramatically reduce hallucinations

Security



Your data, your environment—always under your control

Adaptability



AI empowered workflows that evolve with your systems, people and processes

Transforming public safety & civic services by orchestrating AI in real-time

- **Enhance security** – detect and respond to threats faster with AI-enabled video/audio analytics and stress recognition
- **Empower citizens** – enable seamless access to services with natural, multilingual AI chat—eliminating bureaucratic friction
- **Boost operational efficiency** – automate incident handling and reduce manual workloads, freeing resources for strategic tasks
- **Accelerate decision-making** – integrate all city data sources and AI outputs into one orchestrated view—powered by Vantiq's Intelligent Platform

Summary

The Trellis Data–Vantiq partnership redefines the future of urban safety, equity and operational resilience. By fusing real-time orchestration with trusted, explainable AI, cities gain a unified platform to see, decide and act—faster and smarter.

Together, we deliver the intelligence layer that modern cities need to thrive—supporting digital transformation, public safety and community engagement at scale.

About Trellis Data

Trellis Data develops transparent, sovereign AI solutions designed for sensitive, real-world environments. Their TIP Secure Suite empowers public agencies with actionable insights from speech, vision and chat AI—driving faster, smarter and more equitable responses.

