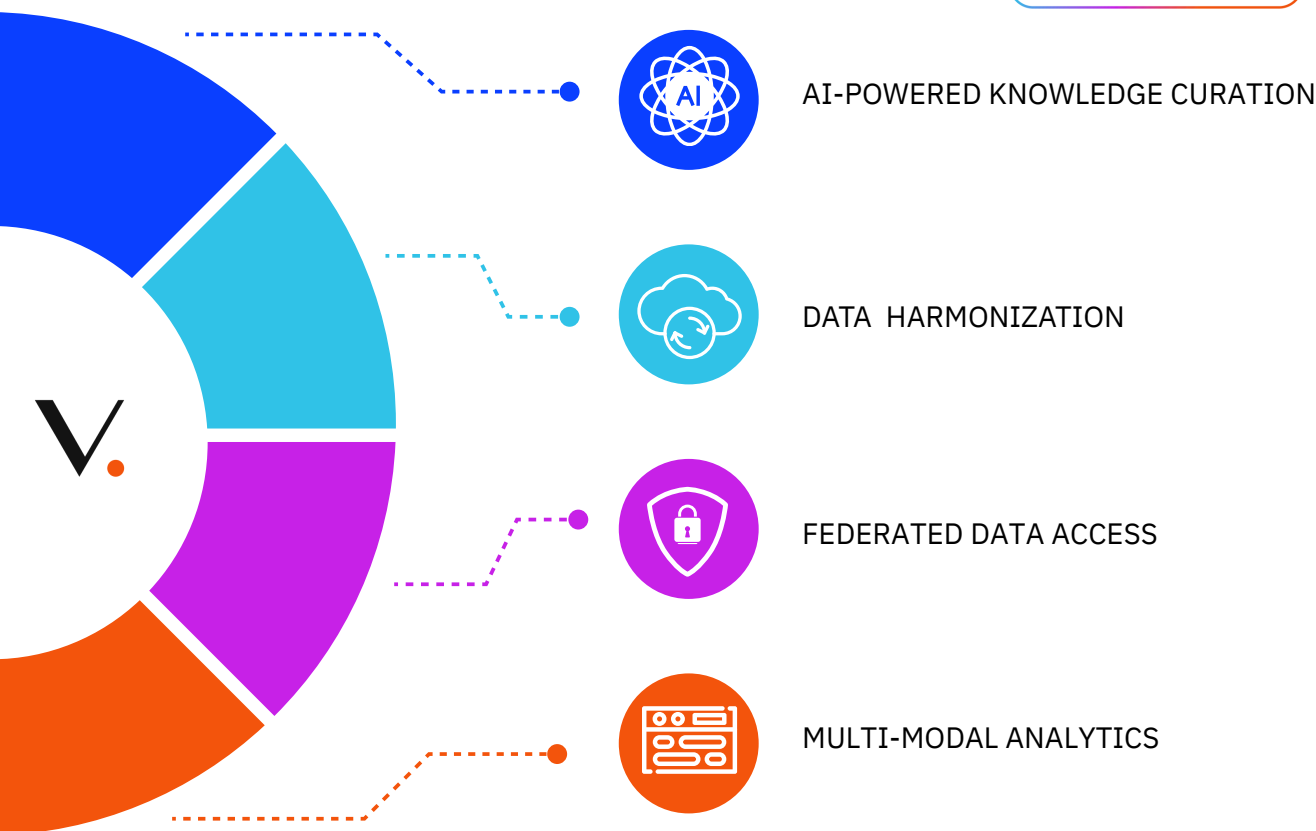
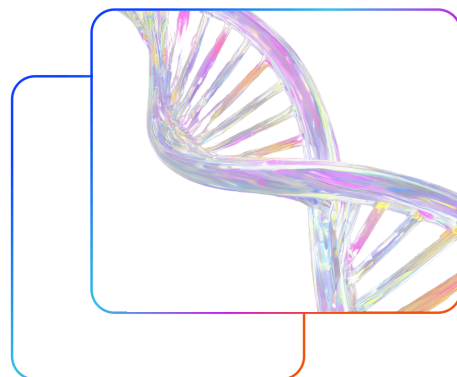


UNLOCKING THE POWER OF AI.

AI has transformed industries from finance to engineering—so why has life sciences and healthcare lagged behind? The challenge lies in infrastructure and large-scale data management and analysis. Siloed, fragmented ecosystems hinder interoperability, making it difficult to extract meaningful insights across diverse clinical and multi-'omic datasets. But that's changing.



At Velsera, we're investing in the future of health technologies. Our platforms empower researchers and clinicians to seamlessly find, integrate, and interpret data through secure, scalable, and interoperable systems. We have recognized the transformative potential of AI and are combining AI-powered knowledge curation, data harmonization, federated data access and multi-modal analytics. Indeed, Velsera is closing the gap between data and discovery—fueling a continuous connection between real-world evidence and research innovation. Together, we're redefining what's possible in precision medicine.





Velsera is at the forefront of AI.



AI SOFTWARE DEVELOPMENT

We are bringing cutting-edge innovation to market as quickly (and safely) as possible by deploying best-in-class AI solutions to accelerate our engineering and SDLC processes.



AI KNOWLEDGE CURATION

We are continuously refining the world's best, most-expansive, most up-to-date and most actionable clinical knowledge base for genetic disease by deploying AI techniques to gather, curate, structure and author rules for 'omic knowledge (e.g., drug labels, guidelines, trials, papers etc.).



AI DATA HARMONIZATION

We are making new and larger datasets available by deploying AI techniques to assist and accelerate the ingestion and harmonization of complex clinical-'omic data to common data standards and our proprietary data model.



AI-POWERED INFORMATION EXTRACTION

We are enabling researchers to generate real-time insights within a secure, high-performance cloud environment by building and integrating AI-powered tools within the Seven Bridges platform. Researchers can interrogate large quantities of unstructured text using fit-for-purpose LLMs to streamline clinical documentation processing, literature analysis, and genomic interpretation while maintaining strict data security and compliance.



AI-BASED INSIGHTS GENERATION

We are building and partnering with others to leverage the power of AI in a secure and compliant environment. This enables researchers to advance the state of the art while respecting data governance and patient consent. Some examples of insights being generated by our users are neoepitope prioritization, variant filtering, automated image segmentation, natural language prompting to further explore tertiary analysis results, and optimization or debugging of bioinformatics pipelines across different workflow languages



AI-POWERED INTERPRETATION AUTHORING

We are increasing the quality and speed of clinical interpretation by leveraging a combination of computational techniques such as utilizing past interpretations for the same biomarker in the same clinical context; drafting interpretations using discrete content from our Velsera Knowledge Base such as gene and variant summaries and therapeutic, prognostic and diagnostic information; and using large language models (LLMs) to draft a succinct and cogent summary of curated content.

By rapidly and appropriately leveraging the best-of-breed AI technologies, Velsera empowers researchers and physicians to accelerate precision discoveries and treatments.

