



Advancing Global Efficiency with AI-Driven Digital Transformation

The Client

A prominent multinational dental healthcare organization wanted to embark on a transformative journey for its business. This large Dental Service Organization (DSO) had multiple clinics across borders and was struggling with various operational inefficiencies, outdated processes, and other business challenges.

The Challenge

The client faced the challenge of harmonizing operations across borders as each clinic operated with a unique administrative system. The complexity of navigating varied regulatory environments, diverse patient demographics, and disparate data management systems solicited a targeted AI-driven, transformative solution for seamless global operations and unified patient care.

A few other challenges included:

- » Navigating diverse cultural nuances across international clinics required strategic AI integration to ensure seamless adaptation and understanding.
- » Addressing clinic-specific regulatory requirements in different regions necessitated AI processes tailored to each jurisdiction, ensuring compliance without compromising efficiency.
- » Adhering to stringent data privacy regulations demanded meticulous AI-driven solutions for secure data handling and compliance across various jurisdictions.
- » Integrating AI seamlessly with existing legacy systems posed a challenge, requiring customized solutions to ensure compatibility and smooth transitions.

Our Solution

- » The implementation of Robotic Process Automation (RPA) powered intelligent workflow automation, allowing for the seamless standardization of administrative processes while adapting dynamically to local clinic nuances.
- » AI algorithms, including machine learning models, were integrated for predictive analytics, ensuring advanced patient care coordination. This technology anticipates patient needs, ensuring proactive and personalized healthcare delivery.
- » Natural Language Processing (NLP) was employed for extracting valuable insights from unstructured data sources, providing a comprehensive understanding of patient interactions, feedback, and operational trends.
- » The AI-infused solution was designed with a scalable infrastructure, leveraging cloud computing technologies to accommodate the consortium's international growth and ensure the continual enhancement of operational efficiency.
- » Cognitive analytics, powered by machine learning algorithms, provided real-time insights into clinic performance, patient demographics, and international operational trends. This facilitated data-driven decision-making on a global scale.

The Results

- » The integration of RPA resulted in a substantial 75% reduction in operational inconsistencies across international clinics, ensuring a harmonized and intelligently automated approach to service delivery.
- » AI-powered predictive analytics achieved a 60% improvement in predicting patient outcomes, empowering clinicians to proactively address potential health issues.
- » The incorporation of cloud computing and scalable AI infrastructure facilitated a 50% increase in efficiency for integrating new clinics into the client's network.
- » Machine learning-driven cognitive analytics empowered real-time global decision-making, resulting in a 40% increase in organizational agility and responsiveness to international market dynamics.

About Veltris

Veltris is a Digital Product Engineering Services partner that delivers next-generation technology and industry solutions across the healthcare, technology, communications, manufacturing, and financial sectors.

Veltris enables clients to build, modernize, and monetize smarter products and platforms powered by Connected Industry AI solutions. Through an experience-centric approach, agile delivery, and differentiated talent, Veltris helps businesses optimize product development cycles, monetize platform investments, and drive transformative outcomes in niche micro industries.