Candelis, Inc. Uses Artificial Intelligence To Create an Enterprise Class Super Router for Large Healthcare Facilities

Voyager-Ai leverages Rapid Advances in Artificial Intelligence to provide Predictive Analysis

Newport Beach, CA (November 21, 2017) – Candelis, Inc., a leading provider of innovative and cost-effective solutions to hospitals and imaging centers, is currently implementing a new Artificial Intelligence (Ai) platform with several large teaching hospitals to help optimize their medical informatics networks.

Candelis's ultra-high performance Super Router, Voyager-Ai, uses Artificial-Intelligence driven assessment of routing-related problems to help end users diagnose issues – even with other DICOM nodes in their environments. It was developed to accommodate extreme workloads at busy high-volume sites.

The Voyager-Ai system comprises very high-end hardware coupled with dynamically-configurable policy engine to provide for massive parallelization, cognitive and predictive analysis of traffic and automated adaptation to workload patterns. The policy-based tag morphing facilities address a large number of customer needs – from MRN consistency issues to facilitated & automated QC to anonymization profiles.

Voyager-Ai also has an extensive notification infrastructure (via its ASTRA cloud) via text or email to provide information concerning hardware or software issues. As a smarter learning machine, its cognitive engine enables predictive analysis of traffic and automatically adapts to workload patterns.

"This is a huge step for medical informatics. Unlike hand-coding a software program with specific instructions to complete a task, the Candelis system's artificial intelligence capabilities allow it to learn to recognize patterns on its own and make predictions," said Steven Higgins, CTO.

Candelis's technology will help facilities operate more efficiently. It is highly configurable so that workers can accommodate different types of system loads. It also has automated problem detection and assessment capabilities.

"The Ai capabilities help ensure modality connectivity and load balance the patients' scanning workload, resulting in better ROI on procedures and gantry usage," added Mazi Razmjoo, VP of sales.

About Candelis, Inc.
Candelis, Inc. is a leading provider of innovative and cost-effective solutions to hospitals and imaging centers. These solutions significantly increase practice efficiency and quality of service provided to referring physicians and specialists. From Artificial Intelligence driven, enterprise class image and modality management learning machines, to fully-featured visualization services, to seamlessly integrated workflow products – all augmented by ASTRA™, our state-of-the-art cloud services - Candelis is revolutionizing healthcare.