

## COMPANY SNAPSHOT

### Address:

505 S. Rosa Rd, Suite 119  
Madison, WI 53119  
Tel: (608) 514-7975  
Web: www.clemetric.com

### Type of Business:

Software, Information Technology,  
Data Analytics, and Research

### Business Point of Contact:

Gergens Polynice, Ph.D.  
Email: gpolynice@clemetric.com  
Tel: (608) 514-7975

## CERTIFICATIONS

- ◆ SBA Certified 8(a)
- ◆ Wisconsin MBE Certified
- ◆ Minority Owned Small Business

## PRODUCTS

### Data2iQ™ Platform

- ◆ Stream and integrate data from disparate systems in real-time
- ◆ Interoperate to exchange and use data from various systems
- ◆ Continue to collect, merge, store, and manage data on-premise and on cloud
- ◆ Data curation and processing
- ◆ Intuitive visual interface

### Data2iQ™ Analytics

- ◆ AI and Machine Learning
- ◆ Data mining
- ◆ Statistical analysis
- ◆ Key performance indicators
- ◆ Predicting and forecasting
- ◆ Analysis models

## INDUSTRIES/SOLUTIONS

- ◆ Civil
- ◆ Defense
- ◆ Health
- ◆ Intelligence
- ◆ Homeland Security
- ◆ State and Local Government
- ◆ Insurance & Financial
- ◆ Management Services

## INTRODUCTION

CleMetric is a software company that provides analytics software and data management services to capture trapped values from real-time data and historical data. We work with government agencies and commercial organizations to build capabilities that matter.

## TACKLING DIGITAL TRANSFORMATION

CleMetric brings expertise to help formulate digital transformation strategy with cloud computing, Artificial intelligence (AI), Machine Learning (ML), Internet of Things (IoT), visual discovery, data management, data governance, and cloud computing that enable more efficient automation and more advanced data-driven decisions.

## CLEMETRIC ANALYTICS

- ◆ **Acquire and blend data from multiple sources** - Get data from distinct sources and integrate them into a single platform to create cross functional analytics, dashboards, and reports, to obtain situational awareness.
- ◆ **Discover hidden insights from Big Data** – Extract, Transform, and Load Big Data in real-time or in batch into an analytics engine to produce actionable intelligence.
- ◆ **Embedded analytics with AI and ML** – Apply models to your data to obtain insights through advanced analytics tool embedded within your key performance indicators (KPIs).
- ◆ **Visually analyze your data** – Build statistical analytics, create dashboards, and reports with an easy to use drag-and-drop interface designer.
- ◆ **Collaborate securely online** - Share/publish your analytics with your colleagues and customers.
- ◆ **Set triggers to alert based on KPIs** - Set smart notifications to alert you when specific conditions are met or when anomalies or outliers occur. Track your KPIs, visualize trends, identify outliers, and discover insightful intelligence.

## DATA2IQ™ FEATURES AND BENEFITS

- ◆ Interoperable to communicate, exchange data, and use the information that has been exchanged by different information technology systems and software applications.
- ◆ Continuous collection, merging, and storage of data from disparate sources
- ◆ Software-only solution and scalable platform designed to integrate with other systems
- ◆ Flexible for leveraging the provider's existing secured network to facilitate systems integration
- ◆ Deployable to support one or multiple units and one or multiple sites across multiple healthcare systems
- ◆ Configurable to integrate with disparate data sources and databases
- ◆ Web-based customizable display that may be used on any standard browser to view parameters over a range of time segments
- ◆ Configurable annotation for digital shift report and auditable data storage
- ◆ Bring diverse areas under a single environment. Analysis of variance, AI, machine learning, regression, categorical data analysis, multivariate analysis, survival analysis, cluster analysis, nonparametric analysis, mixed-models analysis, and survey data analysis.
- ◆ Quickly incorporate existing analysis algorithms from the literature
- ◆ Visualize data in multiple ways to gain deeper understanding of key factors.

## SERVICES

- ◆ Management Consulting
- ◆ Claims Analytics
- ◆ Financial Analytics
- ◆ Revenue Cycle Management
- ◆ Predictive Data Analytics
- ◆ Custom Software Programs

## EXPERTISE & TRAINING

- ◆ Health claims analytics and Big Data processing
- ◆ Healthcare data analytics: Patient monitoring device data from ICUs, EHR, billing data
- ◆ Population health data and Medical image analysis
- ◆ Integrated analysis of imaging, omics, and health record data
- ◆ Computer Science: BS, MS, PhD
- ◆ Medicine: RN, NNP-BC, MPH, MD, DrPH, PhD
- ◆ Business, Statistics & Others: BS, BA, MS, MA, PhD

## BUSINESS PARTNERS



## PAST PERFORMANCE & CUSTOMERS

National Institutes of Health	

## DATA GOVERNANCE

For CleMetric **data governance** is a strategy imbedded in the culture of an organization to generate the abilities to discover, track, and understand data within a contextual framework that prioritizes the social and financial benefits of data while mitigating the risks associated with misused of data. We support the implementation of the following aspects:

- ◆ **Data quality definitions** to determine the condition of the data, its trustworthiness, and adherence to data policies
- ◆ **Business glossary** to record the meaning of all data, ensure clarity, and prevent unnecessary repetition
- ◆ **Roles and responsibilities** to provide an organizational structure that properly maintain data for analytics
- ◆ **Governed data catalogs** to locate and facilitate understanding of the data and to group data into related collections.
- ◆ **Metadata creation** to link processes to specific sources

## DATA MANAGEMENT

Our **data management & cloud computing** solution includes infrastructure as a service (IaaS) and platform as a service (PaaS) through **Microsoft Azure, Amazon Web Services (AWS), and Google Cloud Platform (GCP)**, including:

- ◆ Data governance stewardship
- ◆ Data architecture
- ◆ Data quality management
- ◆ Data warehousing and hosting
- ◆ Business intelligence
- ◆ Data administration
- ◆ Metadata management
- ◆ Data security management

## TECHNICAL COMPETENCIES

- ◆ Artificial Intelligence, Machine Learning, Deep Learning, Statistics
- ◆ Data structures, modeling, algorithm & asynchronous architectures
- ◆ In-Memory Analytics, Analytics dashboards & visual interface for large data access and users. ETL: Real-Time and Batch processes
- ◆ Data Mining, Master Data Replication, Services & Synchronization
- ◆ Statistical & Predictive Analysis
- ◆ Programming languages & tools: C, C++, Java, JavaScript, R, R-Studio, Python, HTML, PHP, CSS, Hadoop, REST/SOAP, Data Lake, Spark, Kafka
- ◆ DB & OS: PostgreSQL, SQL Server, MongoDB, Linux, Windows
- ◆ Data Access: Transactional, Operational & Analytical Reporting
- ◆ Data Integration & Patterns: EAI, Master Data Hub, Operational data store (ODS), Data Mart, Data Warehouse.

## PREDICTIVE ANALYTICS

With insight from CleMetric Q2Track™ technology, organizations and agencies can:

- ◆ Know more about users/members: effectiveness of policies, procedures, and medications; lifestyle of members; current health and wellness of members
- ◆ Drive engagement by providing 24/7 access
- ◆ Get a consolidated view of risks; predict and detect fraudulent activities
- ◆ Leverage actuarial science to assess and forecast opportunities and risks
- ◆ Identify potential provider partners for risk-based arrangements
- ◆ Support credentialing process with key performance metrics
- ◆ Increase control and visibility over provider performance
- ◆ Ingest data from multiple sources and manage large scale of data
- ◆ Access rule-base for pre-processing requests and alert generation
- ◆ Build AI and ML predictive models
- ◆ Create new risk scores for various events and provide situational awareness
- ◆ Slice and dice, clean and transform data to identify cost and margin outliers