

**Cortices.NET
Inc.**

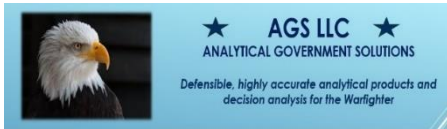
Swapan K. Sarkar is Co-CEO Cortices.NET Inc. Dr. Sarkar has for more than 30 years providing operations research and systems analysis to Department of Defense, government and non-government agencies. He planned and led significant analytical support with analytically-derived, empirically-supported, basis for decisions regarding C4 large network attack efforts. With a PhD in Ops Research, Dr. Sarkar strength lies in scientific data and metric development for live experimentation, simulated experimentation, and training events. His team's focus is Optimization and statistical tools and techniques such as statistical inference, risk analysis, and mathematical programming. David R. Norris is Co-CEO of cortices.NET Inc. Mr. Norris has 30 years expertise in software development, financial analysis, mathematical modeling and statistical analysis. While at Novell Inc. (1990-1994) and Microsoft (1994-2002) he specialized in the testing and developing distributed networking systems involving remote procedure call, distributed COM and .NET and contributed to the production of nine Microsoft products. Mr. Norris worked as Chief Scientist at several startups based in Seattle, WA (2003-2006) in which he designed and implemented cutting edge Internet search and retrieval technologies on ASP.NET Web Application and Web Service platforms. Beginning January 2009 Mr. Norris acquired proficiency in data modeling, pattern recognition, pattern classification and machine learning and developed applications in financial and econometric time series analysis based upon the R Foundation for Statistical Computing platform. Most recently (2015) Mr. Norris is interested in the application of data modeling and Bayesian Analytics to the biomedical industry and has developed a system of scripts on the R platform that implement a general feed forward neural network with support for multiple hidden layers, skip layer connections and missing links and which models ordinary, logistic and 1 of K classification regressions. He is currently developing a diagnostic and screening algorithm for colorectal cancer based upon the identification of a profile of significant metabolites in urine samples and their associated degrees of relevance using a hierarchical Bayesian analysis and leveraging Mr. Norris' proprietary neural network implementation.

**Team AGS LLC Inc. and Cortices.Net Inc Key Personnel and Company Bios As of:
September 2015**

Team Capability Snapshot: AGS LLC as a SVDOSB offers deep experience in Acquisition, Program Management, Cost analysis, Financial Management and Logistics with broad reach-back in IT and Technical staffing with large, capable teammates. Cortices.NET Inc. compliments AGS LLC with strong experience in Operations Research, Decision Analysis, and Advanced Statistical Analysis. Cortices specializes in biomedical research and applied modeling techniques and algorithms to analyze biomedical data. Cortices is evaluating the relationship between metabolite concentrations in blood, tissue and urine samples and various types of cancer. Both members share a rich history in Statistical Research, medical sciences and solutions for difficult technical challenges.



Mr. E. G. "Gil" Dickens is President/CEO of AGS LLC. Mr. Dickens has 44 years of acquisition, technical, scientific and management experience in Defense chemical/biological technical studies; Air Force space systems, avionics, electronics, satellite, and environmental remediation; Marine Corps C4ISR systems and Ground Vehicle Operations and Maintenance operations research and technical analyses; and Business Case Analyses (BCA) for major Defense ACAT I Weapons Systems including SIAP, GCSS-MC, MRAP, EFV, and CAC2S. He performed an extensive cost model for the Marine Corps Fixed Chemical Decontamination System. As MRAP JPO Financial lead, he led cost and logistics studies for major vehicle upgrades including ISS, Egress systems, Underbody Improvement Kit and depot installation capacity. His Economic Analyses for the Autonomic Logistics (AL) sensor system identified vehicle maintenance efficiencies saving \$90M in energy costs for batteries and POL condition based maintenance.



Mr. Dickens teams recently provided support for major current projects that span financial and program support for DTRA financial operations, software management of a budget execution tool for the entire DTRA agency, Business

Case Analyses (BCA) and comparative cost estimates for DHS for IT alternatives for Maritime and Air Operational Centers for Border and Law Enforcement.