



STATEMENT OF QUALIFICATIONS

PROTEUS Consulting is a boutique consulting firm that catalyzes the synergy between Water, Energy, Information Technology, Economics, and Communication sectors. We exist to bring about metamorphosis in the Water Industry. With versatile and high quality solutions, we facilitate the transformation of business-as-usual to high-energy and productive environment. We are known for our creativity and problem-solving skills, and our clients appreciate the individual attention this small, flexible firm is able to provide.

The Water Industry is at the threshold of a radical transformation. We help our clients undergo that change systematically by removing barriers and releasing the pressure, while enhancing the metamorphosis through cross-discipline flow of innovative ideas and strategies.

PROTEUS Consulting facilitates both product and institutional innovation. We enable the creation of an environment that allows smooth knowledge flows. Be it a small start-up or a large public agency, we develop the architecture that allows scalable deployment of fit-for-purpose technology, people, and resources.

PROTEUS Consulting is a minority and woman-owned, small disadvantaged micro-business.

CONTACT INFORMATION

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WATER+INNOVATION

Our success stems from our ability to quickly and effectively understand the unique physical, cultural, and economic opportunities of each assignment. We specialize in building creative solutions that honor each project's distinct features and are committed to integrating design, engineering, and community in a manner that creates value and conserves resources – human and material capital.

- Mentoring for Start-ups
- R&D Program / Technology Assessments
- Institutional Innovation Programs
- Business Development
- Strategic Planning
- Product Design
- Process Engineering
- System Review and Optimization
- Mechanical Engineering
- Pilot / Beta-Testing
- Commissioning
- Innovation Cluster Development
- Partnerships and Collaboration Platforms

PROJECTS

ENERGY OPTIMIZATION + INNOVATION PROGRAM, ENCINA WASTEWATER AUTHORITY, CARLSBAD, CA.

Proteus Consulting is contracted with Encina Wastewater Authority (EWA) to design their Research and Development Program. The scope includes the following: (1) Development of Energy Efficiency Tracking and Reporting system that will measure and report the efficacy of the energy efficiency measures implemented and monitor the progress for the long-term. (2) Perform Energy Negotiations with SDG&E including review current tariff rates with SDG&E and figure out the 'best' option/program for EWA. (3) Design the Research and Development Program to evaluate, facilitate and plan the implementation of new innovative technologies at EWA. (4) Perform Value Chain Analysis and develop and Implementation Plan for solids, effluent, and biogas produced at EWPCF. (5) Undertake comprehensive Funding Research to secure funding from traditional and non-traditional resources.

TECHNICAL AND BUSINESS DEVELOPMENT, ARBSOURCE, AZ.

Proteus Consulting is providing process engineering, mechanical engineering, and pilot plant design, testing protocol development and services, business development consulting, strategic planning, training, project commissioning and system review and optimization services to ARBSource, a new CleanTech company. The patent-pending ARBCell is a unique, scalable environmental biotechnology to manage wastewater treatment more efficiently for the food and beverage processing industry and beyond. Proteus Consulting has two contracts with Arbsource, one through Arizona Business Development Grant and the other through Department of Energy (DOE) Small Business Innovation Research (SBIR) grant.

STRATEGIC BUSINESS DEVELOPMENT, VIRIDITY ENERGY, PA.

Proteus Consulting is providing strategic business development services to Viridity Energy as it enters the water industry. Viridity Energy devises revenue generating solutions that give large energy users customized decision-making tools to align operations with load management strategies. With their Vpower™ Software, Viridity Energy works within client operations to identify the optimal demand management strategy for the client's energy resources. Viridity Energy also delivers microgrid management solutions to help communities meet their energy needs in a smarter, less expensive, and more sustainable way.

PRODUCT AND BUSINESS DEVELOPMENT, ECOLAYERS, CA.

Proteus Consulting is providing product development and business development services to EcoLayers. EcoLayers is a web-based software platform for integrated management, permitting, compliance, and stewardship for water. This program is deployment-ready and can be configured to meet the unique needs of each customer be it Regulatory Agencies, Water Agencies/Districts, Permittees, Wastewater Agencies, Municipalities, Infrastructure Developers, Environmental Consultants, and Stewardship Organizations.



SMART-OPS, OPERATIONS OPTIMIZATION FOR WASTEWATER TREATMENT PLANTS.

Treatment plant operations are typically timed and phased based on discrete measurements or strategies. Proteus Consulting is working on software that will lay the foundation to develop comprehensive dynamic, real-time, whole-business strategy for wastewater plant operations and control. The software portfolio will consist of a suite of sustainability-focused solutions that honor the wastewater industry's specific needs and are committed to integrating operations, management, and environment in a manner that conserves and optimizes resources – human and material capital. The solution will encompass analytics, optimization, and visualization. A phased approach is offered for the implementation instead of a comprehensive solution since it allows the client to adopt a module when required and at a pace that is suited for the agency. The software solution has the following goals: Meet effluent and emissions permits, Maximize Biogas production, Optimize Aeration, Optimize solids quality to market needs, Optimize chemical usage, Optimize digestion, and Optimize energy use.

FIELD DATA ACQUISITION APPLICATION.

Proteus Consulting is developing an inexpensive field data acquisition application for a handheld device (say on a Tablet or SmartPhone) that combines the functionality of GIS, work order management system, complaints record system, and asset management system, utilizing a light weight graphical interface and messaging protocols. The platform will be designed to provide field crews with data functionality the need to perform their jobs regardless of the back-end applications, databases, and spreadsheets that provide the data. This application will provide timely and current access to maintenance and service information and ability to upload/update status reports during site visits.

POSITIONS HELD BY CEO

- **CONNECT Springboard**
 - Domain Expert for all things Water, Energy, and CleanTech 2012, 2013
- **CleanTech Open**
 - Mentor to Water, Wastewater, Recycled Water, and Waste-to-Energy Teams 2011 2012, 2013
- **FLOW, Caltech**
 - Mentor for Water related innovation 2012, 2013
- **World's Best Technology Innovation Marketplace (WBT)**
 - Mentor for six teams in 2012
 - Professional Outreach, San Diego Committee 2012, 2013

BUSINESS INFORMATION

Structure: S Corporation
Established: October, 2010
ORCA/DUNS: 831677229
EIN: 90-0614930

Updated 2/10/2013



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NAICS: 541330, 541340, 541490, 541611, 541618, 541620, 541690, 541990, 611430, 221310, 221320,

PSC: AD24, AD26, AH34, AH35

FSC: 4601, 4620, 4630, 7030, 7435

SIC: 1623, 1629, 1781, 4941, 4952, 4953, 4959, 4971, 4619, 7389, 8299, 8711, 8712, 8741, 8742, 8744, 8748

NIGP: 91820, 91831, 91832, 91835, 91838, 91842, 91843, 91846, 91875, 91887, 91888, 91890, 91897, 92517, 92524, 92528, 92533, 92535, 92538, 92544, 92555, 92567, 92570, 92583, 92587, 92596, 92597, 95816, 95826, 96110, 96156, 96161, 96896

CERTIFICATIONS

Small Business Enterprise – Port of Long Beach, San Diego County Water Authority, San Diego Association of Governments (SANDAG) Architecture and Engineering (A & E) Small Business “Bench” (#103011)

Small Local Business Enterprise (SLBE & ELBE) – City of San Diego (#12PC0555)

Small Business (Micro) – California Department of General Services (#1417140)

Woman and Minority Owned Business Enterprise (WMBE) – California Public Utilities Commission (CPUC) (VON 10100168)

Emerging Business Enterprise (EBE) – Office of Small Business & Disabled Veteran Business Enterprise Services, City of Los Angeles

Disadvantaged Business Enterprise (DBE) – California Unified Certification Program (CUCP) - pending approval

Small Disadvantaged Business – Small Business Administration (Self certified)

Minority Owned – Small Business Administration (Self certified)

Woman Owned – Small Business Administration (Self certified)

Updated 2/10/2013