

BRIGHTSTAR INNOVATIONS INC

ABOUT US

BrightStar Innovations Inc is a full-service company providing a variety of services within the oil and gas, construction, manufacturing, and information technology industries. We offer a wide range of solutions for businesses, including custom programming services, computer systems design, facilities management, and a selection of merchant wholesaler services. With the highest quality products and services on the market, our team is dedicated to helping our clients reach their goals and thrive.

CORE COMPETENCIES

BrightStar leadership provides over 40 years of technology, engineering and project delivery experience, with foundational management expertise within GE Aerospace, Ericsson, USMC

- Deep experience in engineering, manufacturing, project and program management
- Accomplished technology expertise in wireless network and telecommunication, renewable energy systems, sensor systems including radar, IR, seismic, and camera systems, software development, complex integrated control systems design and production, electronic hardware development
- Successful startup experience including foundation, operational development, partnering strategy, business plan development, capital acquisition and investment banking initiatives

PAST PERFORMANCE

- **SYSTEM APPLICATION ENGINEERING**
 - Many of BrightStar’s customers are held in confidence due to the importance of security systems design work provided, with the strategy that security systems are more effective in a stealth mode than when published to create deterrence. These projects include potential terrorism targets, to top secret locations for DoD contractors.
 - Customers in this arena include perimeter security systems that provide instantaneous awareness when a secured area is breached, permitting video verification of any incidents with appropriate human directed responses. These solutions are primarily solar powered, which enables extremely rapid deployment when compared to wired infrastructure solutions, and provide lower cost, higher reliability and availability, while implementing cyber security techniques that prevent compromise.
 - Partners that BrightStar works with to integrate, deploy, optimize and maintain solutions include Bulldog Fire and Security in Kitchener, Ontario. Together with Bulldog, BrightStar conceived engineering and developed the successful proposal for a unique layered sensor technology, wireless, solar powered security solution for Bill Bishop Airport in Toronto, CA. BrightStar leadership provided all system engineering, technical permit application, field project management, system commissioning, optimization and training, and continues to provide customer support and training as periodically required with the hands on field work administered by Bulldog.
 - Similar functioning systems for public safety applications included deployments for the governments of Ontario and Newfoundland for novel Large Animal Detection Systems, that operated on solar power and warned traffic in approximately 0.5s of large animal threats near the roadway, enabling traffic to slow and reduce potential collision. These systems have been credited with saving lives and operated reliably in extreme weather conditions.
- **SOFTWARE ENGINEERING AND DEVELOPMENT**
 - BrightStar defined functionality for a large-scale relational database driven control system that enables System Control And Data Acquisition (SCADA) that has been applied to provide monitor and control of security with automated video verification of alarm events and retention of events for forensic purposes. An extremely intuitive Graphic User Interface (GUI) has resulted in training of operators to reach competence measured in minutes.
 - The Interactive Monitor and Control System (IMCS) was developed with IES Technologies LLC over a 13-year period and continuously evolves, improves and expands functionality to serve in new application environments and over the past 6 years has been adopted by an array of customers in the oil and gas industries often serving dual roles for security and site monitoring and control.
- **STRATEGIC TECHNOLOGY BUSINESS DEVELOPMENT**
 - BrightStar also provides advanced strategic technology guidance for RussKap Water LLC, an Atmospheric Water Generation (AWG) manufacturing company. BrightStar’s work with RussKap is ushering in technology that will enable RussKap to achieve reliable consistent water production in extreme environments, where their original compressor-based technology would have been energy cost prohibitive.
 - BrightStar’s strategic technology business development advisory is working closely with Water Harvesting Inc, (WaHa) presently and has fostered a mutually beneficial relationship between WaHa and RussKap. RussKap is the largest provider of AWG to the US DoD.
 - BrightStar power systems technology approach and recent engineering strategic initiative regarding WaHa solutions, have been calculated to reduce power consumption requirements of their core systems by up to a factor of 3 and reduce overall system costs by eliminating major subsystems. This will greatly expand the potential to provide systems to water scarce regions of the world where costs and resources represent significant challenge.

WHY CHOOSE US?

- Precast tower and ballasted skid techniques have successful cut deployment time and cost for tower and monopole systems over traditional methods
- Proven renewable energy expertise and implementation can reduce power requirements, deployment time and cost, and take advantage of lower carbon footprint incentives
- BrightStar is accomplished at team building and has access to a broad array of proven technology providers and partners to achieve optimum project performance and delivery even where challenges may be novel.
- BrightStar leadership has a proven track record of doing first of projects, successfully and without cost, or time overruns
- BrightStar ability to organize, coordinate and direct remote and diverse teams, resulted in the production of a custom microcontroller, including implementing BrightStar algorithm designs into control system software development in less than 4 months and undercut industry average cost for similar initiatives by a factor of 2
- BrightStar leadership has successfully identified and resolved unforeseen process issues within large scale manufacturing and solutions providers
- BrightStar leadership has been integral in ISO 9000 and other quality assurance certifications, for some of the largest global manufacturing providers for over 30 years
- BrightStar management has deep project experience leading, engineering and deploying numerous projects domestically and globally since the early 1990s including Canada, Norway, Brazil, Mexico and beyond
- BrightStar experience in deploying and maintaining systems provides a robust understanding of the system economics delivering solutions that reduce field service requirements by providing high reliability and agreed upon functionality
- BrightStar can serve in a broad array of roles to deliver on customer technology needs.
- This ranges from basic technology advisory to engineering, project development and delivery to executive leadership. BrightStar believes in resourcing those exceptional skills required to fulfill and exceed customer expectations and does so by providing the leadership, direction and working with customer to confidently identify solution goals, then liaising those goals into a functioning solution in a cost effective and timely manner.



NAICS CODE

561621 - Security System Services (Except Locksmith)
221114 - Solar Electric Power Generation
221115 - Wind Electric Power Generation
221118 - Other Electric Power Generation
221310 - Water Supply And Irrigation Systems
333413 - Industrial And Commercial Fan And Blower And Air Purification Equipment Manufacturing
333415 - Air-Conditioning And Warm Air Heating Equipment And Commercial And Industrial Refrigeration Equipment Manufacturing
334111 - Electronic Computer Manufacturing
334112 - Computer Storage Device Manufacturing
334118 - Computer Terminal And Other Computer Peripheral Equipment Manufacturing
334210 - Telephone Apparatus Manufacturing
334220 - Radio And Television Broadcasting And Wireless Communication Equipment Manufacturing
334290 - Other Communication Equipment Manufacturing
334412 - Bare Printed Circuit Board Manufacturing
334418 - Printed Circuit Assembly (Electronic Assembly) Manufacturing
334419 - Other Electronic Component Manufacturing
334519 - Other Measuring And Controlling Device Manufacturing
423850 - Service Establishment Equipment And Supplies Merchant Wholesalers
425110 - Business to Business Electronic Markets
541511 - Custom Computer Programming Services
541512 - Computer Design System Services
541513 - Computer Facilities Management Services
541519 - Other Computer Related Services
541690 - Other Scientific And Technical Consulting Services

COMPANY SNAPSHOT

Business Name: BRIGHTSTAR INNOVATIONS INC
Business Address: 114 W PIPPEN DR ISLAMORADA, FL 33036
Duns#: 081263453
Cage Code: 96LD3
UEI: F49HG8NH79C1
Point of Contact: BARRY WRAY
Phone: 305.304.9898
Email: bwrap@brightstarii.com
Web: www. brightstarii.com

