ADVANCED RESILIENCY CONSULTANTS
dba BCV SOLUTIONS

Resilient • Sustainable • Transformative

CORPORATE CAPABILITIES

SPECIALIZING IN

Water Resources, Energy, and Sustainability Consulting

- Assess and model Floodplain Risks, Vulnerabilities and Climate Impacts.
- Plan and design Hydrologic and Hydraulic Solutions.
- Experts in FEMA's Hazard Mitigation Grant Program, Historic Preservation Support, and FEMA's Impact Analysis and Mitigation.
- Plan and design Water Resource Ecosystem Restoration.
- Delivers real-time utility consumption Data Collection, remote Monitoring of Energy/ Environmental IoT sensors, Analytics and Evaluation.
- Evaluate feasibility of Carbon Footprint Reduction and Renewable Energy Solutions.
- Design and assess for Green Energy Retrofits.
- Plan all-hazards Emergency Preparedness, Operational Continuity, and Sustainability.

Digital Transformation and Workforce Development

- Develop and Implement Digital Transformation and IT Software Engineering applications.
- Architect and Integrate Certified Blockchain technologies for enterprise organizations.
- Improve Business Process Re-engineering and Workforce Automation Initiatives.
- Develop and Train a Sustainability-skilled Workforce.

USDA GEICO

dba BCV SOLUTIONS

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CERTIFICATIONS

SBA-Certified SB/SDB

Certified State of Maryland W/MBE/SDB

Successful Graduate of SBA 8(a)/BD Program

Economically-Disadvantaged Woman-Owned

Active Public Trust Security Clearance

NAICS

541611, 541512, 541690, 541511, 541330, 611430, 541519, 561210, 238210, 541513, 541620, 541990, 611420, 541612, 541618, 611710, 541430, 561410, 561499, 519190, 561990, 518210, 611420, 611430, 561410

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CAGE CODE 45YS8
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SDB/SB

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PARTIAL PAST PERFORMANCE

WATER RESOURCES, ENERGY, and SUSTAINABILITY CONSULTING

US Department of Housing and Urban Development

- Design and develop ground-breaking, IoT and cloud-based solution that evaluates economic, social and climate reduction success of various energy conservation measures implemented throughout "green" portfolio of affordable multifamily and mixed-use properties.

  Exceed project objectives by capturing enterprise-wide interval utility consumption data from remote Energy and Environmental IoT sensors nationwide to evaluate and predict triple bottom line improvements from retrofitted energy conservation measures.

City of Houston, Port of Baltimore, and Washington DC metro areas

- Conduct full-cycle assessments of water resource disruptions, ecosystem restoration, risks and vulnerabilities of property and people along coastal, rivers, and floodplain resiliency related to climate impacts.
- Develop Integrated Planning Framework while conducting Triple Bottom Line (social, environmental, financial) evaluations of proposed Stormwater Management Best Management Practices, (ESD/LID, BMP, SWM Facilities Retrofits).

City of Houston, Texas

- Successful support of engineering reviews of floodplain claims database and updated risk modelling of area watersheds, reservoir, and flood control district.
- Deliver formal recommendations for improvements in mitigation strategies, buyout and structure elevations creating various Hydrologic and 2D Hydraulic Modeling scenarios for Gulf area floodplains.
- Perform post-disaster Water Resources Planning and Design efforts to capture depth damage relationships and forecast economic assessments for various structures, properties, and displaced populations.

US Department of Transportation HQ , US Department of Labor HQ, DoD, Commercial, Municipal and Tribal entities

- Perform Carbon Footprint and Renewable Energy feasibility evaluations
- Manage, develop and train for Resiliency/Continuity of Operations Planning and Mitigation implementations.
- Creative art design and development of interactive Sustainability Communications Portal for diverse audience.

DIGITAL TRANSFORMATION and WORKFORCE DEVELOPMENT

- Architect digital solutions which improve operational efficiencies, transparency, and evaluate feasibility for Blockchain solutions.

US Department of Labor – Office of Job Corps

- Develop Sustainability and Green Jobs curriculum for career and skilled trades training.

US Department of Veterans Affairs

- Enhance workplace and customer services using Project Management best practices to streamline service delivery effectiveness performed by remote workforce.

Highly Experienced Staff Include:

- Certified Floodplain Manager, and Professional Engineers (P.E.s and PhD) in Water Resources and Environmental Engineering, currently licensed in Maryland and Texas.
- Certified Blockchain Experts™ and, (pending) Certified Solutions Architects™.
- Certified Energy Manager (CEM).
- Certified Homeland Protection Professional (CHPP).
- Multi-platform Software Engineers, Data Analysts and PMBOK®-trained Project Managers, Art Director and Communications Designers.