

**Cage Code**  
6NLUO

**Clearance**  
Top Secret

**D&B Number**  
034659512

### Naics Codes

541511, 541611, 511210,  
518210, 541370, 541512,  
541513, 541519, 541690,  
541720, 611420, 611710

### Clients

- CBP
- CMS
- DoD
- DoJ
- DoN - NAVWAR
- DoS
- ED
- FDIC
- IHS
- NSF
- USAID
- TSA

### CONTACT

info@trewon.com  
(703) 242-1378 x 0  
800 Corporate Dr  
Suite 301  
Stafford, VA 22554  
www.trewon.com

## Who We Are

Trewon Technologies is an SBA 8(a) (until July 2025) and HUBZone-certified, economically disadvantaged woman-owned small business (EDWOSB) specializing in providing research, evaluation, technical assistance, and information technology (IT) services to government and private sector clients.

Founded in 2010, we are uniquely positioned to address complex societal problems through innovative approaches that integrate research and evaluation expertise with sophisticated IT solutions. Most of Trewon's staff hold advanced degrees (Ph.D.s, MAs) and the senior leadership has a long track record of assisting federal clients in meeting their objectives.

## Certifications & Socioeconomic Status



## Contract Vehicles

- GSA IT 70
- GSA PSS
- DoN - SEAPORT NXG
- NAVWAR - IWRP OTA
- GSA 8(a) STARS III

## Services and Solutions

Research and Evaluation	Federal Data Strategy (FDS)	Information Technology (IT)
<ul style="list-style-type: none"> <li>• Developmental, Formative, and Summative Evaluation</li> <li>• Logic Models and Theories of Change</li> <li>• Systematic Literature Reviews</li> <li>• Survey Development and Management</li> <li>• Data Collection and Analysis</li> <li>• Data Visualization</li> <li>• Technical Assistance</li> <li>• Facilitation</li> </ul>	<ul style="list-style-type: none"> <li>• Learning Agendas</li> <li>• Evidence Plans</li> <li>• Evidence Mapping</li> <li>• 360 FDS View</li> <li>• Full Chief Data Officer (CDO) Support</li> <li>• Full Evidence Officer (EO) Support</li> <li>• Shareholder Value Adds</li> <li>• Data Governance Board (DGB) Support</li> <li>• Data Management Plans</li> </ul>	<ul style="list-style-type: none"> <li>• Database Development and Management</li> <li>• Data Warehouse</li> <li>• Big Data Analytics</li> <li>• Interactive Dashboards</li> <li>• Artificial Intelligence</li> <li>• Machine Learning</li> <li>• Cloud Computing</li> <li>• Cyber Security</li> <li>• Application Security</li> <li>• Web Development</li> <li>• Helpdesk Support</li> </ul>

**Bijal Shah Ph.D.**  
President and  
Chief Executive Officer  
Bijal.Shah@trewon.com  
703-242-1378 ext.701

**Stéphane Baldi Ph.D.**  
Vice President of  
Research and Evaluation  
Stephane.Baldi@trewon.com  
703-242-1378 ext.708

**Saumil Shah**  
Vice President of  
Information Technology  
Saumil.Shah@trewon.com  
703-242-1378 ext.702

## **Trewon Team Experience: Research and Evaluation**



### **Support of the Division of the National Center for Science and Engineering Statistics (NCSES), National Science Foundation (NSF):**

Trewon is assisting the National Science Foundation (NSF) and NCSES by developing procedures to facilitate systematic decision-making related to the management, sharing, and publication of NCSES data. Trewon is providing NCSES with expert consultancy to meet the expectations of the Foundations for Evidence-Based Policy Making Act (Evidence Act) and best practices as defined by the Federal Data Strategy. We are developing data management plans for NCSES Surveys, including Survey of Earned Doctorates, Survey of Graduate Students and Postdoctorates in Science and Engineering, and the National Survey of College Graduates.

### **Learning Agenda and Evaluation Support Services for NSF's Office of International Science and Engineering (OISE):**

Trewon is providing evaluation services to OISE to support the development of a learning agenda, build evidence for strategic decision making, and expand their capacity for program evaluation. We are designing and implementing a series of developmental pilot studies to address OISE's priority questions and learning needs to strengthen OISE's evaluative thinking and enhance their ability to incorporate evaluative questioning into routine decision making. We support the design of practical measurement systems that define and assess what is being accomplished through OISE.

### **Title II of the Higher Education Act, Teacher Preparation Program Data Collection**

Trewon is supporting ED's Title II data collection, which provides critical measures of teacher preparation programs and insight into the K-12 teacher pipeline for policymakers and educators at all levels. As part of this project, the Trewon team will provide outreach, training, and support to states and teacher prep providers to ensure quality throughout the data collection process. This includes developing tip sheets and videos, hosting conferences, and operating a help desk. The Trewon team will also maintain and operate a fully operational data collection system and public website to support the two annual data collection cycles and conduct automated data accuracy verification and quality control.

### **Workshop Support for NSF's Established Program to Stimulate Competitive Research (EPSCoR):**

Trewon is providing NSF with support, facilitation, and analytic services to conduct data collection activities with EPSCoR stakeholders and facilitate a series of workshops aimed at developing recommendations based on stakeholder input. This work includes developing a public website with document library and facilitating stakeholder listening sessions and public comment request.

### **Evaluation Support for the NSF INCLUDES Initiative:**

Trewon provided analytic and evaluative support services to the Directorate for Education and Human Resources (EHR) for the NSF INCLUDES initiative, which seeks to broaden the participation of women and minorities in STEM from pre-K through the workforce. We addressed EHR's evidence-building and evaluation needs by extending past work to elicit systematic answers to questions regarding activities and outcomes of NSF INCLUDES projects.

### **American Friends Service Committee Evaluation of AFSC's U.S.-Mexico Border Program:**

Trewon evaluated AFSC's border program, which advances the human rights of migrant and non-migrant communities in the San Diego area. Trewon developed and translated instruments, conducted in-depth interviews and focus groups in English and Spanish, and collected and analyzed secondary data.

### **Bureau of Justice Statistics, Department of Justice, National Survey of Tribal Court Systems (NSTCS-14):**

Trewon assisted developing the NSTCS-14. The survey is a comprehensive instrument that focuses on the administration and caseloads of tribal court systems across the United States. We provided statistical and quantitative research design and methodological support.

# Trewon Team Experience: Information Technology

## **Bureau of Comptroller and Global Financial Services (CGFS), Department of State (DoS):**

Trewon oversaw the initiation, conceptualization, planning, and end-to-end implementation of the global delivery of virtual applications. Delivered the data warehouse applications, including hardware, software, architecture design, and end-to-end PoC of data warehouse applications. Utilize machine learning to find patterns and develop and identify deficiencies in data generation and retrieval efforts inherent in data collection for. Changing or adding new table attributes, creating interactive dashboards, and schemas. Supported the global roll out of data analytics application to overseas bureaus including remote and external users with poor networks.

## **Bureau of Overseas Building Operations (OBO), Department of State (DoS):**

Trewon is a liaison between OBO travelers and the State Department travel agent, ensuring airline travel and ticketing returns comply with Federal travel regulations, State Department, and OBO policies. Provide management, transactional, helpdesk, and analytical services. Provide a full range of budget formulation and execution, accounts payable, financial management reporting and analysis, financial systems analysis, developing and implementing travel and travel related systems in support of DoS.

## **Bureau of Information Resource Management (IRM), Department of State (DoS):**

Trewon integrated the Information Systems Security Officer (ISSO) dynamic dashboard product into a Splunk Enterprise Environment, creating intuitive interactive dashboards, giving end-users the ability to monitor systems with ease of access to information. Draft and disseminate analytics results via dynamic dashboards for audiences. Create data inventories, deliver data files, and prepare codebooks and data dictionaries. Analyze unstructured / structured data to find patterns. Run troubleshooting to provide scaling guidance, collected OpenNet data, managed and filtered logs, provide alerts and reports, analyze and run data reports. Use of machine learning for predictions and decision making.

## **The Department of Navy, NAVWAR, Department of Defense (DoD):**

Data Warehouse Business Intelligence System (DWBIS) is used to combine information from several different sources to help Command prioritize staffing plans and assignments of 10,000 employees. Trewon complied with Department of Defense policy for DoD applications to be authenticated via DoD issued Common Access Card (CAC) – Public Key Infrastructure (PKI), ensuring data analytics applications adhere to DoD's mandate. Trewon designed, deployed, installed, configured, and tested, operations and maintenance. DWBIS also manages available funds for Defense Acquisition Workforce and Cyber Security Workforce.

## **Trewon Team IT Partners:**

SAP, Microsoft Azure, Amazon AWS, Citrix, Cloudera Connect, Oracle, Splunk, Tableau, Data Robot

## **Leadership**

### **Bijal Sanghani Shah, Ph.D., President and CEO:**

Dr. Shah is an evaluation specialist with 10 years of experience in evaluation strategies including developmental, implementation, and impact studies. She has managed various large-scale projects funded by local and federal governments, requiring considerable knowledge about strategies for building evidence, designing quality studies and broad evaluation methodologies. Her expertise includes quantitative data collections and analysis, instrument development, data management, analytic methods, and meta-analytic review. She has designed databases, managed data analysis and reporting for the NSF-funded Tribal Colleges and Universities Program (TCUP) project, which supports participation and retention of American Indian, Alaska Native, and Native Hawaiian students in STEM. Dr. Shah has a post-graduate certificate in dietetics and applied nutrition and holds a Ph.D. in nutritional sciences from the University of Texas at Austin.



## **Leadership (Continued)**

### **Saumil Shah, M.S., Vice President of Information Technology:**

Mr. Shah serves as technical liaison for the company's Information Technology business line, keeping the company on target with the latest advances in technology. He brings over a decade of experience working with government agencies and corporations to address their technological needs. As an Information Technology professional with SAP Business Objects (BO) subject matter expertise, he brings a robust background in database architecture. He is an authority in BO Customization and provides custom applications using BO Software Development Kits (SDKs). As a seasoned Data Warehouse professional, he brings experience using multiple Business Information tools to the handling and storage of big data. He is certified in building and using backend databases and is an expert in relational databases.

### **Stéphane Baldi, Ph.D., Vice President of Research and Evaluation:**

Dr. Baldi has over 20 years of experience managing large, complex research, evaluation and technical assistance studies for government and private clients in the areas of education, STEM, and human development. His responsibilities at Trewon include developing and implementing Trewon's corporate vision and strategy for business development and client relations related to Trewon's Research and Evaluation Practice Area and providing corporate oversight for Trewon's research and evaluation projects. Dr. Baldi has directed work with the U.S. Department of Education, the National Science Foundation, the Department of Commerce, the Department of Homeland Security, the Department of Transportation, and the Department of Agriculture, as well as private foundations. Dr. Baldi previously served as Vice President of Education at 2M Research and held senior positions at Insight Policy Research and American Institutes for Research (AIR). Dr. Baldi received his Ph.D. in Sociology from The Ohio State University and MA in Sociology from the University of Connecticut.

### **Kimberley Raue, Ph.D., Director of Research and Evaluation:**

Dr. Raue has 20 years of experience in education research and program evaluation with clients that include the National Science Foundation, the U.S. Small Business Administration, the U.S. Department of Education, KIPP DC, state departments of education, and school districts. Before joining Trewon, she was a Senior Study Director at 2M Research and Westat. Dr. Raue is knowledgeable in a wide variety of content areas, such as STEM policy; professional learning communities; and teacher quality and effectiveness. She has trained in effective facilitation through Leadership Strategies and is certified in What Works Clearinghouse standards 4.0. She has a keen interest in building client capacity for generating and using evidence to inform strategic decision-making and continuous improvement. She also serves as a Court-Appointed Special Advocate in MD. She earned her Ph.D. and MA in Sociology from the University of Chicago.

### **Dr. David Dreisigmeyer, Ph.D., Federal Data Strategist Subject Matter Expert:**

Dr. Dreisigmeyer has a strong combination of a computational background and policy work. He also has experience in the direct involvement with the entire pipeline of writing Federal-wide guidance and implementing that guidance at the departmental and bureau levels. This has given him a complete picture of data: not only how to use it, but a full understanding of how to view and think about those uses. Dr. Dreisigmeyer is an expert in developing and implementing workforce data skills needs and capacity assessments across large organizations, has proven ability to lead comprehensive data inventory efforts across heterogeneous agencies, program and project management skills, experience with developing Federal-wide connections and data strategy efforts, and extensive data mining and machine learning experience.