STATEMENT OF QUALIFICATIONS

CARBON ASSET DEVELOPER ASSOCIATES LLC (CADA) is a certified Texas HUB, and SBA HUBZone. CADA provides general contracting, design-build, construction program management, and building services to a broad range of government, commercial, and industrial clients in the United States and internationally, including: the Philippines, Mongolia, Vietnam, Brazil, Ethiopia, India, Nigeria, Kenya, Trinidad and Tobago, Grenada, Belize and Mexico. CADA has also provided support to major international funding agencies including the World Bank, UNFCCC, the Asian Development Bank, UNDP, UNIDO, WWF, Japan Policy and Human Resources Development Fund, InfoDev, Inter-American Development Bank, and Standard Bank. CADA's safety record for past 3 years is .73 EMR.

In the oil and gas sector, CADA recovers, compresses, transports, stores vented and flared associated and non-associated gases; fractionating, treating and monetizing the resultant natural gas liquids and dry gas to:

- Reduce process and wellhead emissions with closer monitoring and more timely repairs during upstream, midstream and downstream production using advance sensor detection methods and technologies such as optical gas imaging cameras.

CADA captures carbon emissions, associated gas and condensate that are by-products of LNG exports, oil production and fracking, making the valuable hydrocarbons available to the producer for sale and CO_2 emission utilization or storage eligible for 45Q tax credits.

CADA provides United Nations prescriptive mitigation and adaptation consulting, as well as creates demand for Paris Climate Agreement Article 6 compliant exchanges for governments and private sector industry. CADA is a member of and/or an official observer with the following global multilateral funding organizations:

UNFCCC Loan Consultant

PARTNERSHIP FOR MARKET READINESS

Global Gas Flaring Reduction Partnership
WORLD BANK GROUP
OFFICIAL OBSERVER

CADA navigates complex federal, state, local or international regulations for environmental social governance compliance and to ensure safety and quality of service. CADA provides the correct blend of environmental research, inspection and testing for best outcomes.

It is a proponent of and is experienced at utilizing carbon finance to implement energy savings and low-carbon development investments. CADA and its Associates have over 100 years in the energy sector construction business.

HubZone Certified

Carbon Asset Developer Associates LLC (CADA)
Established: 2014 | Employees: 47
UEI: R5WMVX7V6AF5 | CAGE: 8LEV0

Primary NAICS Code: 236220
Other: 237310, 237990, 238110, 238190, 238990
Safety Record past 3 years: .73 EMR

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PROJECTS

Super Bowl LX Operations Carbon Offset

Levi's Stadium in Santa Clara, California
Client: National Football League

CADA will provide and promote carbon offsets for specific operational elements of Super Bowl LX.

CADA is responsible for managing the carbon offset lifecycle for the event, which includes:

- Target Elements: Offsets will cover generators, transportation (air and surface), and emissions from the production of food, beverages, or merchandise.
- Coverage Areas: Offsets will cover generators (power and HVAC), transportation for staff/fans, or emissions from food, beverage, and merchandise production.
- Verification: Ensuring all offsets are documented and verified according to international standards, such as ISO or the GHG Protocol.
- Procurement: Sourcing high-quality offsets to cover the agreed-upon footprint. CADA is responsible for quantifying, procuring, verifying, and funding all offsets.

DLA Energy COG4 Fuel Procurement and Distribution Services

Multiple delivery points in Alabama
Client: Defense Logistics Agency Energy (DLA Energy)

CADA serves as a primary contractor for the supply and logistical distribution of mission-critical fuel products to various Department of Defense installations.
Project Scope and Objectives The primary objective of this engagement is the reliable provision of high-grade petroleum products to maintain operational readiness across multiple military sites. The scope of supply specifically focuses on:
- Diesel Fuel (DS2): Specialized Ultra-Low Sulfur Diesel.
- Automotive Gasoline (MUR): Regular Unleaded Gasoline.

Operational Logistics and Execution CADA manages the end-to-end logistics of fuel delivery, ensuring that products reach diverse delivery points including building-level tanks and large-scale military storage facilities. To accommodate varying site infrastructures, CADA utilizes a multi-modal delivery approach:
- Tank Trucks (TT): Utilized for high-capacity, bulk transport requirements.
- Tank Wagons (TW): Deployed for smaller-scale or restricted-access delivery points.

Quality Assurance and Compliance Operational integrity is maintained through strict adherence to technical provisions and international industry standards. CADA is responsible for ensuring all deliverables meet or exceed ASTM D975 standards for diesel fuel and corresponding quality benchmarks for automotive gasoline. These measures ensure equipment longevity and performance across all supported military assets.
Strategic Resilience and Security Beyond standard distribution, there are two critical areas of operational stability:
- **Hurricane Season Readiness:** CADA maintains specialized protocols to ensure a continuous fuel supply during peak tropical weather activity, particularly for installations in high-risk coastal regions.
- **Information Security:** In alignment with Department of Defense requirements, CADA implements robust security measures to protect sensitive data and operational systems, ensuring the integrity of the procurement lifecycle.

ONGOING PROJECTS

DLA Inland East Gulf Coast (IEG) Fuel Supply

Various Locations served via Colonial and Products pipelines

Client: Department of Defense – Defense Logistics Agency

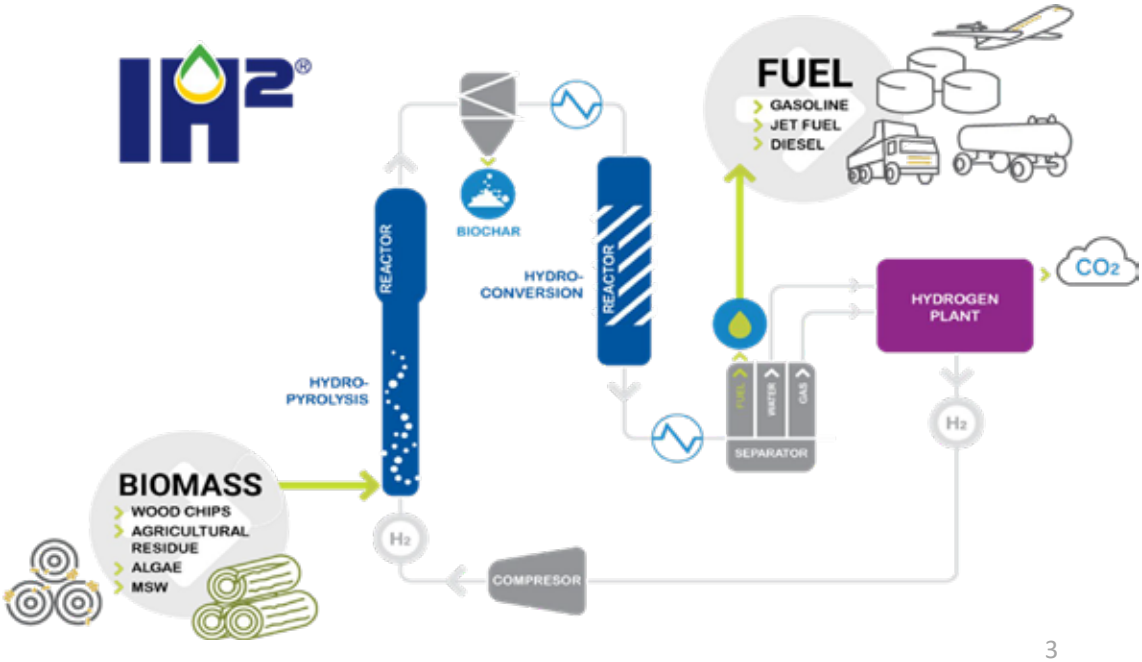
CADA has teamed with Chevron as a supplier of aviation fuel and was recently awarded a contract by the Department of Defense's Defense Logistics Agency as part of the annual Inland East Gulf Coast bulk fuel procurement. CADA's allocation of 57,609,085 USG of JAA will be delivered over the period April 1, 2024, through March 31, 2025, with a 30-day carryover.

Source: U.S. Energy Information Administration, *East Coast and Gulf Coast Transportation Fuels Markets*

Dominica Biofuels from Municipal Solid Waste and Biomass Feedstocks Status Report

Client: Government of Dominica and Swiss Foundation for Climate Protection and Carbon Offset (KliK)

CADA is conducting a feasibility assessment for the deployment of the proven IH2® biomass/MSW-to-drop-in fuel by GTI Energy. The technology mobilizes biomass and MSW feedstock that effectively captures GHG emissions through carbon-efficient conversion and integrated processes. KliK will purchase project Internationally Transferred Mitigation Outcomes (ITMOs) from countries that have signed a bilateral cooperation agreement with Switzerland (e.g., Dominica, for which KliK will provide some preconstruction funding).



ONGOING PROJECTS

Project 6: Program for Energy Efficiency and Low Global Warming Potential (GWP) Alternatives in Air Conditioning (AC) for Buildings (Commerce and Service)

Client: United Nations Industrial Development Organization (UNIDO)

Under the direct supervision of the Leader on energy efficiency and low GWP alternatives at Mexico's National Ozone Office, CADA is developing an assessment of commercial AC systems focusing on:

- Hotels - Hospitals - Offices - Restaurants

• CADA will implement Energy management systems (EMS) in 3 enterprises (commercial buildings) based on ISO-50001.

• Carry out energy diagnostics in buildings selected by the 3 enterprises (2 buildings by enterprise).

• Implement energy efficiency actions in the 3 enterprises committed to the EMS.

• Disseminate results and standards for best practices in the commercial buildings sector.

• Develop a best practice manual in AC systems for commercial buildings (energy efficiency and correct management of the HFC/low GWP alternatives).

• Carry out a training program in AC systems for commercial buildings (energy efficiency and correct management of the HFC/low GWP alternatives) based on the manual.

• Identify 10 facilities for the co-financing of one AC chiller with low GWP alternative in each facility. Determine required investment.

• Identify 5 facilities for the substitution of one split unit in each facility. Determine required investment.

Support Blue Economic Development by Enabling Private Sector Participation In Waste Management In Belize

Belize, West Indies

Client: The World Bank Group

In collaboration with implementation partner Übergreen Sustainability Consulting, this project aims addresses Belize's waste management challenges by enhancing the government's capacity to foster private sector participation through the development of practical guidelines for establishing PPPs in composting and recycling.

Specific objectives include:

1. Policy and Institutional Strengthening
2. Developing Guidelines to Advance PPP Projects
3. Community Engagement and Integration of Informal Sectors
4. Promoting Financial Viability and Market Readiness

The tailored approach ensures the development of a framework for waste management that prioritizes community inclusion, financial sustainability, and alignment with the country's environmental and economic goals. These efforts will focus on creating a sustainable waste management system that aligns with Belize's blue economy goals.

NSCDC Housing Project

Rivers State, Nigeria

Client: Nigerian Security and Civil Defence Corps (NSCDC)

One thousand (1,000) houses will be built under this project, which is in line with Nigeria's Federal Government policy that aims to reduce the housing deficits, especially among public servants. The project is anticipated to be mutually beneficial as it would not only assist the state in its developmental efforts but also help to curb security challenges especially within the host community.

Nigeria Food Security Support

Taraba State, Nigeria

CADA Energy has recently donated over 15 Million Naira(₦) towards Sustainable Rice Farming Development to bolster Food Security in Northern Nigeria.

In alignment with Nigeria's Global Food Security Strategy, CADA's donation will help develop a Taraba State based Sustainable Rice Farm to help accelerate and scale a 7-Point Focus for Food Security:

1.Help galvanize programs like the African Development Bank's $540million Special Agro-Industrial Processing Zone initiative through private-sector engagement and collaboration with the host government.

2.Increase the productivity and competitiveness of rice value chains and markets

3.Capacity Building of local Small to Medium Agri-businesses

4.Enable Climate-Smart Agriculture and Agri-Voltaics (Solar)

5.Developing innovative farm income diversification (Carbon Markets)

6.Ensuring inclusive development by including women, youth, and the disabled

7.Leveraging networks to ensure collective action

ONGOING PROJECTS

Energy Consulting Services

Texas/Various Locations

Client: The Texas A&M University System

CADA has entered into a three-year contract to provide energy consulting services to the A&M System on behalf of all its member universities and agencies.

CADA will assist the A&M System in assessing opportunities for entering into potential future agreements which may generate revenues, reduce energy usage or resource depletion, create local grid stability, or provide backup energy resources for A&M System at various locations across the State of Texas.

The industries and technologies associated with Services and potential projects on A&M System lands include:

- Flaring mitigation
- Crypto mining
- Solar/PV energy development
- Battery Energy Storage System (BESS)
- Geothermal energy development
- Thermal energy storage development (e.g. hot sands storage)
- Carbon capture, utilization, and sequestration
- Hydrogen production
- Heavy-metal filtration and capture

Topuito 30 MW Solar Park

Nampula, Mozambique

Client: MozParks

- Size: 200ha (Topuito), Number of businesses: Not operational yet
- Type of industries: N/A
- Anchor Project: Kenmare, USD 1 Billion

Topuito Industrial Park
(Nampula province)

Afungi 100 MW Solar Park

Cabo Delgado, Mozambique

Client: MozParks

- Size: 1000ha (Afungi)
- Number of businesses: Not operational yet
- Type of industries: N/A
- Anchor Project: Total Energies, USD 20 Billion. Exxon Mobil, USD 30 Billion

CADA is responsible for conducting or overseeing comprehensive technical, financial, and environmental feasibility studies to assess the viability of Topuito 30 MW Solar Park and Afungi 100 MW Solar Park. Following the completion of these studies, CADA is expected to lead efforts in raising finance through avenues such as debt, equity, or grants to fund project development and implementation. In parallel, CADA's Business Unit is tasked with providing specialized resources, expertise, and services—such as technical support, financial structuring, and permitting assistance—to ensure the projects advance efficiently under the agreed partnership framework.

Kenya Thuci Biomass Green Energy Generation

Embu County, Kenya

Client: Thuci Dam Development Company Limited

The project provides benefits and complies with guidelines to expand equitable access to clean and affordable energy for underserved Kenyan communities while promoting economic development and reducing greenhouse gas emissions. The 1000tpd, 80 MW Tuchi biomass electricity project will install modular biomass gasification units in the Thuci region to convert agricultural residues (e.g., coffee husks, maize cobs) into electricity and thermal energy. The energy will power rural mini-grids and agro-processing facilities, displacing diesel and firewood use.

PROJECTS

The National Consortium for the Advancement of Long-Duration Energy Storage (LDES) Technologies

Albuquerque, New Mexico 87123
Client: United States Department of Energy Office of Technology Transitions
National Consortium Lead: Sandia National Laboratories
National Consortium Members: Argonne National Laboratory Idaho National Laboratory, National Renewable Energy Laboratory, Oak Ridge National Laboratory, Pacific Northwest National Laboratory
Project Value: USD7.5+ million

The project supports industry engagement and alignment for clean energy solutions and long duration energy storage (LDES) technologies through a centralized non-partisan forum.

Over the next decade, the project's unprecedented effort will enable the U.S. energy sector to realize its decarbonization goals, for which LDES commercialization is an essential cornerstone.

As a team lead and advisor, CADA inputs determine whether the LDES technology is economical and sustainable for underserved and disadvantaged communities.

CADA's scope of work includes but is not limited to the:

- Development of battery technology with superior energy density;
- Evaluating and testing the technology;
- Applying the technology to preferred nationwide grid infrastructure and transportation development scenarios;
- Nationwide market planning and modeling for LDES commercialization for the deployment of future storage configurations offered to diverse regions, markets, communities, and end-use customers.

The National Consortium enables, facilitates, and coalesces collaborative efforts between public and private entities to identify barriers, determine potential synergies, align best practices, and address the core issues facing LDES commercialization. This includes investor confidence, technology development, market planning, regulation, project demonstration and deployment interconnection, standardization, safety, economic evaluation, and the implementation of recommended strategies necessary to achieve the commercialization of a diverse range of LDES technologies.

2025 Severe Flood Event

City of Pharr, TX
Client: Ceres Environmental Operations

In April 2025, CADA provided collection and transportation of construction and demolition (C&D) debris on the right of way or public property to an end-user approved final disposal site following flooding in Pharr.

PROJECTS

Atlantic LNG Turbine Replacement

La Brea, Point Fortin, Republic of Trinidad and Tobago
Client: Atlantic LNG Company of Trinidad and Tobago

Atlantic LNG has 28 Frame 5 gas turbine compressors that operate on a simple cycle. CADA is working on a basic design whereby nearly 500 MW can be generated using an Organic Rankine Bottoming Cycle (ORC), providing an efficiency savings of upwards of USD89 million. The installation consists of retrofitting each turbine compressor with a high efficiency heat exchanger to transfer the exhaust heat to a working fluid that can be piped to an ORC to generate the power without using any additional fuel.

The additional power is considered renewable and offsets the fuel that would have been used to provide electricity to the plant and earns carbon credits based on the improvements to the baseline. The ORC units do not require additional personnel to operate, nor require a stationary engineer as a steam plant would; it requires a fraction of the space and allows the waste heat to be piped to a convenient location for power generation.

Atlantic LNG

PROJECTS

69th Supply Support Activity (SSA) Warehouse

69th Air Defense Artillery Division, Fort Hood, Texas
Client: US Army Corps of Engineers (USACE)
Project Value: USD8.5 million

CADA provided support services required for labor, materials, equipment, qualified supervision, and other items in accordance with the specifications and drawings.

PROJECTS

CADA Grenada Offices and Ex-Patriate Residence (Under Construction) – Grenada, W.I.
Client: Carbon Asset Developer Associates Grenada Limited
Project Investors: United Nations Industrial Development Organization and the German Federal Ministry for Economic Cooperation and Development (BMZ)

CADA's solar photovoltaic farm utilizes UN methodology AM0019. It will be installed on a hillside with a capacity of 1.15 megawatt and will employ lithium battery backup to provide consistent power to the grid. The power generated will offset the same amount of power that would have been generated by Grenada Electricity Services Ltd (GRENLEC) diesel engines.

The project is partially funded through the sale of carbon credits. Offsets will reduce HFC emissions in commercial and private sectors.

PROJECTS

Hydrogen with Carbon Capture Use and Storage (CCUS)

Multiple Sites in Planning

In the past, incentives excluded CCUS projects, leaving them to struggle to find investors. The 45Q tax credit and recent amendments to the U.S. tax code provide a nonrefundable, transferable tax credit to taxpayers that capture CO_2 and either store or use it.

The value of the 45Q credit is statutorily expressed in USD/MT CO_2: the value per metric ton captured and injected for enhanced oil recovery or commercially utilized is USD35/MT and USD50/MT for qualified storage. These enhancements to 45Q tax credit and new climate policy in the United States support financeable projects but are insufficient to overcome all investor risks.

If CO_2 is captured from hydrocarbons before combustion takes place, “blue hydrogen” production is possible. This contrasts with post-combustion CCS, where the CO_2 must be filtered out of flue gases after combustion. Large-scale production of “blue hydrogen” with associated captured CO_2 makes it possible to reduce CO_2 emissions for all hydrogen applications. Whether the hydrogen is used as a commodity or as fuel for industry, as an energy carrier to produce electricity or transportation, the hydrogen infrastructure will enable the development of new pipelines, conversion of existing gas pipelines, storage, and filling stations. “blue hydrogen” will therefore pave the way for “green hydrogen”.

There are no technical barriers to effectively storing CO_2 permanently on a large scale. Ninety-eight (98%) percent of injected CO_2 remains permanently trapped in the sub-surface. CO_2 has been stored in natural rock formations for periods of over one thousand years and the United States has the potential to capture over 27 million tons every year — roughly equivalent to taking 5.4 million cars off the roads. The combination of hydrogen and CCUS is important for a U.S. CO_2-neutral energy supply, and climate policy now fully supports it.

CADA understands and appreciates the versatility of the hydrogen molecule. Its main characteristic during the combustion process is that it does not produce CO_2, but water. It is perfect for supply of CO_2-neutral energy for heat production, electricity, and transportation.

Hydrogen as a commodity is also used in several chemical processes that can be marketed to specialized off-takers in the U.S. CADA also sees great advantages in the storage of hydrogen compared to electricity; it can be stored in various ways, both in tanks and underground. Hydrogen can also be transported via pipelines. This transport is possible using the existing extensive U.S. gas pipeline network. Hydrogen can be converted into electricity in a fuel cell, which means that the advantages of hydrogen can also play an indirect role in the electricity system.

Project equity requires a return on investment and return on invested capital, a challenge for most CCUS projects. Lenders require interest and principal repayment, and equity requires a return on investment, which can come in the form of current return and terminal value upon sale or another exit. Blue hydrogen, in combination with CCUS is a win-win for both CADA and emitters in the U.S. market and will provide investors with the security needed to deploy capital.

PROJECTS

Sustainable and Climate-Friendly Phase Out of Ozone Depleting Substances (SPODS) – Grenada, West Indies
Projects: 1) Grenada Financial Complex; 2) Ministerial Complex; 3) Ministry of Education Building; 4) Gouyave Fish Market; 5) Southern Fisherman Association, Inc.; 6) Foodfair Carenage; 7) Foodfair Grand Anse; 8) Foodland, Kirani James

Client / Implementing Agency: UNIDO
Project Sponsors: European Union and the German Federal Ministry for Economic Cooperation and Development (BMZ)

- Commercial AC systems in government buildings;
- Industrial Refrigeration systems in the fishing-industrial sector; and
- Commercial Refrigeration systems in supermarkets in the private sector.

The pilot projects developed for each refrigeration and air conditioning (RAC) sub-sector defines technical solutions and financial opportunities for future implementation.

Gouyave Fish Market – Grenada

Cooling Towers

Pictures are of the Gouyave Fish Market project which has a Bait Room, a Blast Freezing Room, a Slow Freezing Storage Room, a Freezing Storage Room, a Cold Storage Room, an Ice Machine, as well as customer areas.

Compressors

The objective of the contract for the project was to help define the appropriate mitigation actions to reduce both the consumption of ozone depleting substances (ODS) and hydrofluorocarbon (HFCs), and at the same time, reduce the energy demand and related GHG emissions. This was done through a series of pilot projects in which the SPODS in Grenada aims to promote low Global Warming Potential (GWP) refrigerant technology at a national level in three sub-sectors, namely:

PROJECTS

Milwaukee Soldiers Home Historic District Building 6 (built in 1879 and 1890) – Clement J. Zablocki VA Medical Center

Milwaukee, Wisconsin - Wings A, B, C, and D
Client: Department of Veterans Affairs
Project Site Size: approximately 160,000 square feet

CADA provided technical assistance to the Completion Contractor for London-based surety, SOMPO International, for National Registered Historic Building Milwaukee Soldiers Home.

In accordance with applicable National Fire Protection Association (NFPA) codes, the project replaced existing dry-pipe sprinkler system (originally installed in 1953) consisting of four (4) separate fire services supplying a riser in each wing. In heated areas of the building, the dry system was replaced with a new wet-pipe system. Unheated areas, such as the attics and porches, were protected by a new dry-pipe sprinkler system. The existing incoming fire service piping and fire department connections were reused.

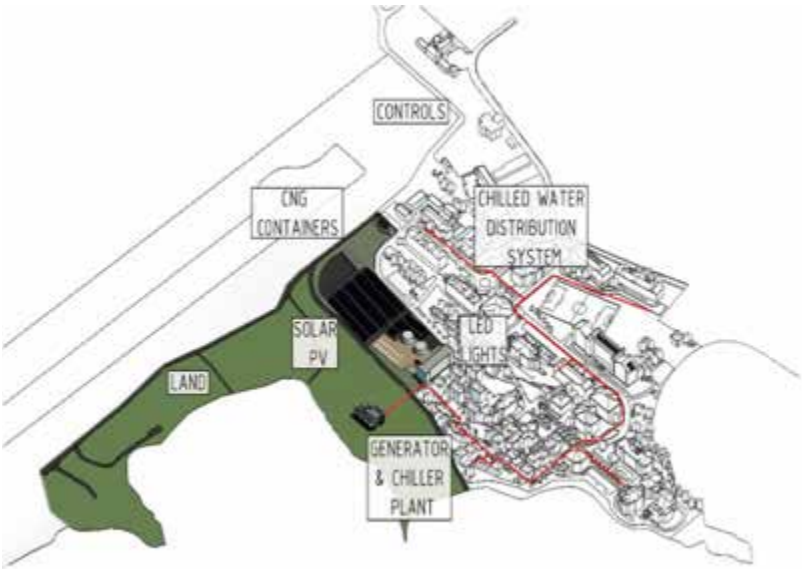
The CADA team furnished all equipment, materials, labor, and testing for the new complete automatic wet-pipe and dry-pipe fire sprinkler systems, as well as all asbestos and lead-based paint testing and removal.

Building 6 - Wings A, B, C and D – Milwaukee Wisconsin

Grenada Electricity Generation Project

St. George's, Grenada
Client: Massy Energy Trinidad and Tobago

In 2016, the government of Grenada passed The Electricity Supply Act. The Act's intent to open competition for electricity generation has attracted independent power producers and renewable energy developers to Grenada. CADA's development team is working with St. George's University (SGU) (a U.S.-owned company) to implement a mix of solar photovoltaic, energy conservation measures and low emission natural gas generation. The proposed electricity generation and energy conservation measures are being designed to meet SGU's existing and future energy needs with a simple 11-year payback. The project consists of new dual fuel generation equipment, photovoltaic generation, new central chilling, cooling towers, pumps, fans, lighting retrofits, desalination equipment, pipelines and controls upgrades.



PROJECTS

UNFCCC Programmes of Activities (PoAs)

Clients: Governments of Trinidad and Tobago and the Philippines (3 projects)

CADA registered with the UNFCCC two CO_2 gas monetizing and energy savings PoAs, namely the Petrotrin Oil Fields Associated Gas Recovery and Utilization PoA and the RE2Grid PoA (comprising both solar and wind greenfield projects that feed electric power into a grid).

As 28-year IDIQ forms of contract, these Programmes of Activities continue to offer opportunities for U.S. project developers in developing countries.

CADA's Associates have, between them, extensive experience in energy and climate change mitigation activities, as well as in the development and implementation of large assistance projects through their activities worldwide.

CADA identifies and implements low-carbon and energy conservation investments; and assists governments in developing enabling environments for mobilizing financial, technical and capacity building support. The current focus of our portfolio is the West African, Caribbean, Central, North and South American regions.

CADA provides technical, policy and business advice relevant to low-carbon development in all sectors.

CADA helps industry and multilateral banks provide financial assistance to developing countries for infrastructure improvements and construction of facilities that deploy renewable and low emission energy systems. It accomplishes this by primarily facilitating technical and monetary exchanges between the developed country industries and concessional finance to clean tech developers.

CADA brings concessional finance which offers opportunities for U.S. project developers in developing countries and energy saving carbon reducing projects in the U.S. under Article 6.2 of the Paris Climate Agreement. These programmes bring significant equity to a project for up to 21 years with verification of carbon emission reductions that CADA performs annually.

Additional services offered:

- ASME and API Code Interpretation
- Compression Services and Separation
- Emissions Control Services
- Pipeline Pigging Solutions
- Production Optimization
- Operations and Maintenance

PARIS AGREEMENT

PROJECTS

Deepwater Horizon Oil Spill in the Gulf of Mexico – Louisiana and Mississippi

Client: BP PLC
Project Value: USD2.8 million

CADA provided up to 380 staff members that would be assigned to cleaning the shores throughout Gulf Coast of the United States for BP. All staff worked 24 hours a day, 7 days a week, and were required to obtain OSHA HAZWOPER certification.

FEMA Temporary Housing

New Orleans, Louisiana
Client: US Federal Emergency Management Agency (FEMA)
Value: USD11.5 million

CADA Installed trailers and related infrastructure.

FEMA New Orleans Cleanup

New Orleans, Louisiana
Client: FEMA
Project Value: USD22 million

CADA was a debris removal subcontractor.

PROJECTS

US Department of Homeland Security Starr County, Texas Border Security Project (River Wall Project)

Starr County, Texas

Client: U.S. Department of Homeland Security

This 2019 BOOT project involved a mix of border wall construction and Port of Entry expansion and improvements, as well as the negotiation of any easements and necessary right of way land acquisitions. CADA's project scope: survey, report, model, recommend, plan, design, construct, install, operate, and maintain the investment(s), and identify competitive sources of finance for the improvements. CADA provided an expedited build (estimated completion in 400-580 days), job creation, local county buy-in and tax credit opportunities, while avoiding division of private property and litigation, and determined current appropriated federal funds could be redirected to other priority areas.

Hale Boggs Federal Building and Courthouse Repair and Alteration

New Orleans, Louisiana

Client: U.S. Coast Guard (USCG) and General Services Administration

The contract was for the replacement of IT equipment horizontal cabling, serving and transitioning the USCG sensitive compartmented information facility (SCIF).

PROJECTS

Mississippi River and Tributaries Levee Repair Project

New Orleans, Louisiana
Client: U.S. Army Corps of Engineers (USACE)

CADA's levee repair work consisted of excavating levee material between B/L Stations 538+40 to 539+00 and B/L Stations 545+15 to 545+75: placement of concrete slope pavement and fertilizing, seeding, and mulching operations for all disturbed areas. This contract included USACE contract modifications.

VA Medical Center – New Orleans

New Orleans VA Medical Center

New Orleans, Louisiana
Client: Department of Veteran Affairs (VA)

This is a 5-year maintenance contract for the Command Blue Light Emergency Call Box Systems and responsibility for supplying all parts, service, and the cost and maintenance of the call box systems to ensure that the systems are fully operational. All maintenance is completed in accordance with the manufacturer guidelines, pursuant to VA direction, and adheres to all directive and records requirements per the National Fire Protection Association (NFPA) Life Safety 101, NFPA 70E, OSHA and Federal Communications Commission (FCC).

PROJECTS

UNFCCC PoA 9358 – Petroleum Company of Trinidad and Tobago Limited

Republic of Trinidad and Tobago
Client: Petroleum Company of Trinidad and Tobago Limited
Petrotrin Oil Fields Associated Gas Recovery and Utilization Programme of Activities (PoA)

CADA recovers, compresses, transports, stores vented and flared associated and non-associated gases; fractionating, treating and monetizing the resultant natural gas liquids and dry gas. CADA innovates, delivers benefits, and reduces costs as a result. It is eligible under UNFCCC rules to operate in almost every developing country, providing the services and technology needed to find and fix methane leaks.

CADA services for this project included conducting leak detection in the field and sourcing the infrared cameras needed for fugitive emission surveys to oil and gas companies.

Because methane is the main component of natural gas, CADA helps the oil and gas industry save money, get more product to the customer, and reduce energy waste.

Working with the World Bank as an observer with the World Bank's *Global Gas Flaring Reduction Partnership* (GGFR), CADA sees substantial growth and demand for its services in North and South America, Trinidad and Tobago and West Africa.

CADA uses "green well completions" to capture gas and condensate that comes up with oil production and fracking, making the valuable hydrocarbons available to the producer for sale.

Stennis Space Center – Building 3205

Hancock County, Mississippi
Client: National Oceanic and Atmospheric Administration

CADA's scope was the design and installation of a fire suppressions/sprinkler system in two containers that are used for Lithium battery charging and storage, furnishing all equipment, materials, labor, and testing: Simplex 4007ES fire alarm with releasing peripheral equipment and notification appliances, Novec 1230 gas, fire alarm cabling, devices, and components installed on-site at the National Data Buoy Center.

All work was performed in accordance with applicable National Fire Protection Association (NFPA) codes.

PROJECTS

Fluidised Catalytic Cracking Unit (FCCU)/Cat Cracker Upgrade

Pointe-a-Pierre, Republic of Trinidad and Tobago
Client: Petroleum Company of Trinidad and Tobago Limited

The project increased capacity and allowed for production of more low-sulfur gasoline with improved octane ratings at 190,000-barrel-per-day (BBL/d) Pointe-a-Pierre refinery.

TGU Combined-Cycle Power Plant

Trinidad Generation Unlimited (TGU) 765MW Combined-Cycle Power Plant

La Brea, Republic of Trinidad and Tobago
Client: Ferrostaal GMBH

CADA was the supplier of sandblasting, coatings and finishes services for the modern combined cycle plant consisting of six General Electric gas turbine-driven generators and two steam turbine-driven generators of the 160,000 square meter site. The TGU facility is the largest combined-cycle power plant in the Caribbean and currently supplies approximately 50% of Trinidad and Tobago's electrical energy.

PROJECTS

Mobile Offshore Production Unit (MOPU)

Southwest Soldado Field, Republic of Trinidad and Tobago
Client: Heritage Petroleum Company Limited

CADA performed the pre-development, design, program management work, and commissioning on this MOPU. Being portable, the platform was designed and constructed as a feasible and inexpensive oil producing and gas compression unit for offshore locations. It is an efficient unit that does the same work as the conventional permanent platforms.

Additional project features:

- Petrotrin Trinmar Operations (Trinidad) New CP#4 Compression Platform Facility – complete design, supply, install and commission all E&I Equipment, vessels, cabling, interconnectivity, Siemens PLC and SCADA integration

MOPU – Trinidad and Tobago

- Mechanical services for the pre-commissioning checks and recommissioning of flash gas compressors and vapor recovery units
- LP and HP fire water, wastewater, utility and potable water systems
- Fabrication and installation of HDPE pipe – sub-sea line
- Installation and commissioning of transmission and distribution mains and water treatment plant

PROJECTS

Halifax Harbour Waste to Energy Project

Grenada, W.I.

Client: National Renewable Energy Laboratory (NREL)

CADA led a study for a USD40 million, 50,000-square-foot facility at the Perseverance Landfill to mix 10 tons of sewage, 40 tons of biomass with about 100 tons of solid waste, using a gasification chamber to generate electricity. The benefits included: reduce methane emissions and pollution from untreated sewage affecting Grenada's Caribbean and Atlantic coasts and create 250 sustainable jobs. CADA's partner's proprietary technology converts nearly any kind of organic waste into clean, renewable energy with no harmful by-products. The plant can produce enough energy to power 3000 homes and fuel for off grid sales.

ADDITIONAL SERVICES

CADA quantifies, recovers and utilizes the methane emissions from the uncontrolled emission sources, using UN Climate Change approved methodologies pursuant to Article 6 exchanges allowed under the Paris Agreement.

Green completion systems present a significant opportunity for cost savings. By using portable equipment to process gas and condensate, the recovered gas can be directed to a pipeline and sold. In green completions, gas and hydrocarbon liquids are physically separated from other fluids and delivered directly into equipment that holds or transports the hydrocarbons for productive use. There is no venting or flaring. This practice then links upstream activities with mid and downstream efforts.

CADA implements a recommended mitigation option (or a more-effective alternative) to the greatest extent feasible, using criteria that may include:

- Technical viability
- Operationally safe to implement and operate
- Operationally reliable
- Economic costs and benefits
- Materiality (as defined by the partner company) maintenance/operational efficiency improvements
- Environmental and safety benefits (e.g., enhanced safety due to lower methane emissions; reduction of methane emissions and associated volatile organic compounds or hazardous air pollutants)
- Maximization of use and/or sale of clean-burning, non-renewable hydrocarbon resources
- Reputational benefits

CADA facilitates country-to-country engagement and sharing of best practices with other national governments and affiliated oil and gas companies to encourage and support oil and gas methane emission reduction activities inside UNFCCC A6.2 participating developing country borders as well as industrial countries on a commercial basis; CADA provides technical support and capacity-building to assist customers in evaluating their methane emissions.

CADA performs pre-feasibility and measurement studies. It provides assistance with inventory development and implementing methane emission reduction projects. In order to ensure sufficient pay back in a timely manner, suggested parameters for use in determining the economic feasibility of each reduction opportunity include:

- Capital and installation cost
- Annual operating costs
  - Total annual savings/revenue
  - Value of incremental gas sales
  - Value of incremental condensate or NGLs sales
  - Savings in purchased fuel or electricity costs when directing gas to power generation
  - Reservoir benefits from additional gas available for injection/gas lift
  - Other operational or maintenance savings (e.g., savings through reduction in maintenance costs, etc.)
- Return on Investment (ROI)
- Payback period
- Internal Rate of Return
- Net Present Value

CADA

STATEMENT OF QUALIFICATIONS

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