

CARIBBEAN PETROLEUM STORAGE PROGRAMME

In Partnership with
Crowley

Government Petroleum Storage & Digital Fuel Infrastructure for the Caribbean

SECURING CARIBBEAN FUEL RESERVES — A DIGITAL INFRASTRUCTURE INITIATIVE

Est. 1892

FOUNDED — 130+ YEARS OF SERVICE

1.5M+ bbl

BARRELS UNDER DLA ENERGY MGMT

200+

VESSEL FLEET

\$2.5B+

ANNUAL REVENUES

WHO WE ARE — DIGITAL WORLD NETWORKS

Digital World Networks (DWN) is a Global Digital Infrastructure Platform connecting individuals, businesses, and governments with trusted digital solutions across 188 countries and 642 cities. Operating 351+ sectoral digital networks, DWN bridges local digital needs with world-class global capabilities.

The DWN Caribbean Programme identifies and facilitates strategic partnerships between world-class solution providers and Caribbean governments — covering energy, petroleum infrastructure, water, transportation, and digital development.

351+

INDUSTRY NETWORKS

642

CITIES WORLDWIDE

188

COUNTRIES

11,199+

DIGITAL SOLUTIONS

THE CHALLENGE — CARIBBEAN ENERGY SECURITY

~95%

Of Caribbean petroleum
is imported — zero
local production buffer

\$8B+

Annual Caribbean fuel
import bill — exposed
to global price shocks

30+

Island territories with
inadequate strategic
fuel storage capacity

Cat. 5

Hurricanes destroy
fuel infrastructure —
weeks of supply lost

The Caribbean region's 30+ island nations import nearly all of their petroleum, leaving communities, hospitals, governments, and economies acutely vulnerable to supply disruptions, price volatility, and hurricane damage to fuel storage facilities. The DWN Caribbean Petroleum Storage Programme connects Caribbean governments and energy authorities directly with Crowley — one of America's most trusted fuel logistics and storage companies — to build resilient, modern petroleum storage infrastructure.

Crowley, founded in 1892, is one of America's most experienced and trusted logistics, marine, and energy solutions companies. With over 130 years of operational excellence, Crowley serves commercial and government customers across the United States, Caribbean, Latin America, and globally. Crowley's government petroleum storage division provides complete fuel infrastructure solutions — from tank farms and terminal management to emergency fuel reserves and digital monitoring.

OUR PARTNER — CROWLEY HOLDINGS INC.

Headquarters:	Jacksonville, Florida, United States
Website:	crowley.com
Founded:	1892 — over 130 years of operational excellence
Annual Revenue:	\$2.5+ billion
Employees:	6,300+ worldwide
Fleet:	200+ vessels — RO/RO, LO/LO, ATBs, LNG, tugboats & barges
Business Units:	Crowley Logistics, Shipping, Fuels, Land Transportation, Solutions, Wind
Ownership:	Privately held — Crowley family & employees
Government Division:	Crowley Solutions — leading global provider of energy services for US government & allied nations
DLA Energy Capacity:	1.5M+ barrels total under management — 1M bbl Anchorage (Joint Base Elmendorf-Richardson) + 500K bbl Fairbanks
Storage Model:	COBO — Contractor-Owned, Contractor-Operated. Crowley owns and operates the facility; government retains the terminal
Delivery Record:	Fairbanks facility (500K bbl) delivered 5 months ahead of schedule (2022); Anchorage contract extended through 2025
International Ops:	Active operations: Alaska (3 US military facilities), Darwin Australia (Pacific allied-nations support)
Project Cycle:	Full lifecycle: permit → engineering → groundbreaking → construction → commissioning → long-term operation
Pipeline Integration:	Crowley terminals tie directly into government-owned fuel pipelines — seamless integration with existing national infrastructure

CROWLEY PETROLEUM STORAGE — SERVICE PORTFOLIO FOR THE CARIBBEAN

GOVERNMENT & MILITARY FUEL STORAGE Crowley Solutions (COBO model) manages 1.5M+ barrels for DLA Energy across Alaska: 1M bbl at Anchorage (Joint Base Elmendorf-Richardson, contract since 2015, extended through 2025+) and 500K bbl at Fairbanks (Eielson AFB & Fort Wainwright, delivered 5 months ahead of schedule). Darwin, Australia facility supports Pacific allied nations.	FUEL TERMINAL INFRASTRUCTURE Crowley terminals include dedicated product pipelines with tie-ins to government-owned fuel systems, tank truck loading facilities (TTLF), rail car loading, on-site product additisation and injection, and state-of-the-art monitoring. Caribbean terminals would connect directly to island national fuel distribution networks.	STRATEGIC PETROLEUM RESERVES Design and operation of strategic petroleum reserves (SPR) enabling Caribbean governments to maintain 30-, 60-, or 90-day emergency fuel buffers — protecting communities, hospitals, and critical infrastructure during hurricanes and supply crises.
FUEL LOGISTICS & DISTRIBUTION Crowley's 200+ vessel fleet delivers petroleum products across the Caribbean and globally — from bulk tanker deliveries to last-mile island distribution. Integrated logistics from source to storage to consumer, backed by 130+ years of maritime operations.	DIGITAL FUEL MONITORING Real-time digital monitoring for all storage assets — tank level sensors, leak detection, temperature monitoring, inventory analytics, and remote operations dashboards. The same digital standards deployed for US military facilities in Alaska are available to Caribbean governments.	COBO — ALLIED NATIONS PROGRAMME Crowley's Contractor-Owned, Contractor-Operated (COBO) model is proven with DLA Energy: Crowley builds and finances the terminal; government pays for fuel services under a long-term contract (4-year base + 5-year extension options). Caribbean governments retain port land; capital cost is carried by Crowley — minimising government budget exposure.

PROVEN TRACK RECORD — CROWLEY GOVERNMENT PETROLEUM STORAGE

Fairbanks & Anchorage, AK — DLA Energy

Crowley manages 1.5M+ barrels for US military across two Alaska facilities. Fairbanks: 500K-barrel facility for Eielson AFB & Fort Wainwright — delivered 5 MONTHS AHEAD OF SCHEDULE (2022). Anchorage: 1M+ barrels for Joint Base Elmendorf-Richardson, contract active since 2015, extended twice. COBO model: Crowley owns & operates.

Darwin, Australia — Pacific Allied Nations

Crowley Australia Pty Ltd.: Bulk fuel storage for allied military Pacific operations — proving Crowley executes internationally in island and remote geographies. Caribbean is a natural extension of this allied-nations mandate, with DWN facilitating the government engagement pathway.

Port MacKenzie, Alaska — Government Port Model

Permitted Jan. 2026 at borough-owned port. Capacity: 200M+ gal/year on 20-40 acres. Government retains land; Crowley builds & operates. FID: Fall 2026. This exact public-private partnership model — with Caribbean governments retaining port land ownership — is what DWN proposes for the region.

DIGITAL FUEL INFRASTRUCTURE — THE CROWLEY ADVANTAGE

Crowley's government petroleum storage division deploys a fully integrated digital layer that gives Caribbean energy authorities real-time visibility, predictive analytics, and remote control of all petroleum storage assets — the same technology standards used in US military facilities.

DIGITAL CAPABILITY	DESCRIPTION
Real-Time Inventory Monitoring	Continuous tank level, temperature and pressure data streamed to government dashboards — 24/7 visibility from any device
Automated Leak Detection	AI-powered sensor networks detect micro-leaks before they become crises — protecting the environment and minimising loss
Predictive Maintenance	Machine learning models predict equipment failure — scheduling maintenance proactively to prevent costly unplanned outages
Hurricane Emergency Protocols	Pre-programmed emergency response workflows: automated facility lockdown, reserve activation, and damage reporting in real time
Multi-Site Dashboard	Central government energy authority dashboard aggregating data from all petroleum storage sites across the island nation
Regulatory Reporting Automation	Automated generation of EPA, environmental, and customs compliance reports — reducing administrative burden on government staff
Supply Chain Visibility	End-to-end digital tracking of fuel shipments from origin tanker to island terminal — integrated with Crowley's 200+ vessel fleet
Cybersecurity	Enterprise-grade security protecting critical energy infrastructure from cyber threats — air-gapped options available for sensitive sites
API Integration	Open APIs allow Caribbean government energy management systems, national budgeting platforms, and customs to connect seamlessly
Carbon Tracking	Automated carbon footprint reporting for petroleum operations — supporting Caribbean NDC commitments and climate transparency

WHY THE CARIBBEAN — STRATEGIC OPPORTUNITY

Energy Dependence

30+ island nations import 95%+ of petroleum — strategic storage is a critical national security imperative. Crowley terminals handle 200M+ gallons/year at government-owned ports.

Post-Hurricane Demand

Category 4/5 hurricanes repeatedly destroy fuel infrastructure. Hardened Crowley terminal facilities — built to 20-40 acre scale — are now a top government priority across the region.

Proven Government Model

Crowley partners directly with government-owned ports (e.g. Mat-Su Borough, Alaska). Caribbean port authorities retain land ownership; Crowley builds, operates, delivers. Low-risk for governments.

Growing Reserves Push

CARICOM energy ministers have identified strategic petroleum reserves as a regional priority. Crowley's full-lifecycle model — permit to first delivery — addresses that mandate directly.

READY TO BUILD CARIBBEAN ENERGY RESILIENCE?

Contact DWN to initiate a Crowley petroleum storage assessment for your island nation or port authority.

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DWN'S ROLE — THE BRIDGE BETWEEN GOVERNMENTS AND CROWLEY

Digital World Networks serves as the institutional bridge — identifying the right government contacts, facilitating introductions, preparing programme documentation, and coordinating the pathway from initial government engagement through to signed petroleum storage agreements. DWN's Caribbean Programme Director, Patrick Glemaud (Toronto), leads active government outreach across the region.

WHO WE SERVE — TARGET GOVERNMENTS & INSTITUTIONS

Caribbean Island Governments

Energy Ministries, Prime Ministers' Offices, and National Energy Authorities across CARICOM member states — seeking strategic petroleum reserves and modern fuel storage infrastructure.

Development Finance Institutions

IDB, CDB, World Bank, and bilateral donors financing Caribbean energy security projects — the DWN × Crowley programme is pre-structured for DFI co-financing.

Port Authorities & Terminal Operators

Caribbean port authorities and private terminal operators seeking to upgrade, expand, or digitise existing fuel handling and storage facilities.

National Oil Companies

State-owned energy enterprises managing petroleum imports, distribution, and national reserves — requiring digital infrastructure upgrades and terminal modernisation.

Disaster Risk Management Agencies

CDEMA and national emergency management agencies building resilience plans — petroleum storage is a frontline component of hurricane recovery preparedness.

Military & Coast Guard

Caribbean defence forces and coast guard services requiring secured, hardened fuel storage for naval vessels, aircraft, and emergency operations.

PROGRAMME NEXT STEPS

1. Initial Government Meeting	DWN arranges introductory session between government energy officials and Crowley representatives — virtual or in-person.
2. Needs Assessment	Crowley and DWN conduct a joint petroleum storage needs assessment — existing capacity, strategic reserve targets, budget envelope.
3. Proposal & Feasibility	Crowley prepares a tailored feasibility study and preliminary project proposal with cost estimates and financing pathways.
4. DFI Financing Coordination	DWN coordinates with IDB, CDB, and bilateral donors to structure project financing — reducing the upfront burden on government budgets.
5. Agreement & Implementation	Formal petroleum storage agreement signed. Crowley mobilises engineering, construction, and operations teams with DWN ongoing coordination.

CONTACT — CARIBBEAN PROGRAMME

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