



## FEDERAL FUEL AND CHEMICAL STORAGE SPECIALISTS

For more than 17 years, Core Engineered Solutions, Inc. has provided environmentally compliant fuel storage and chemical storage systems that meet the highest safety standards. Our system expertise includes vehicle dispensing systems, emergency power systems, aviation fueling, marina fueling, waste oil, alternative fueling and chemical storage systems. Our capabilities range from providing pre-engineered systems for standard applications to complex large-scale systems. Core works with end users, engineers and project teams to provide systems design expertise and comprehensive support. Our experts are up to date on the latest environmental regulations and fire codes so you don't have to be.

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Washington, D.C. | Albany, NY | Fort Worth, TX





## CORPORATE CAPABILITIES

**GSACContract  
GS07F-91 10G  
Special Item #'s**

**361 20A** Single Compartment  
Above Ground Storage Tanks  
and /or Systems (Protected)

**361 20B** Double Compartment  
Above Ground Storage Tanks  
and /or Systems (Protected)

**361 23** Waste Oil Tanks and  
Accessories

**361 24** Fuel Dispensing Units

**361 25** Fuel Management  
Systems Units

**361 27** Ancillary Services  
Related to Tanks and/or  
Systems

**361 28** Installation and Site  
Preparation for Tanks and/or  
Systems

**361 29** Tank Monitoring  
System

**361 10A** Chemical Storage/  
Hazmat Building



Core provides environmental compliance systems that safeguard customer facilities while improving the efficiency of their operations. Our single-source capabilities range from providing pre-engineered systems for standard applications to integrated EF&I (engineer, furnish and install) capabilities. Core has furnished integrated systems for thousands of customer facilities worldwide. The wise choices we make when designing your system are the culmination of years of experience successfully implementing similar solutions.

Core's mission is clear: We are committed to assisting you to maintain a safe, compliant and efficient facility by offering specialized solutions to meet your most complex fuel storage challenges.





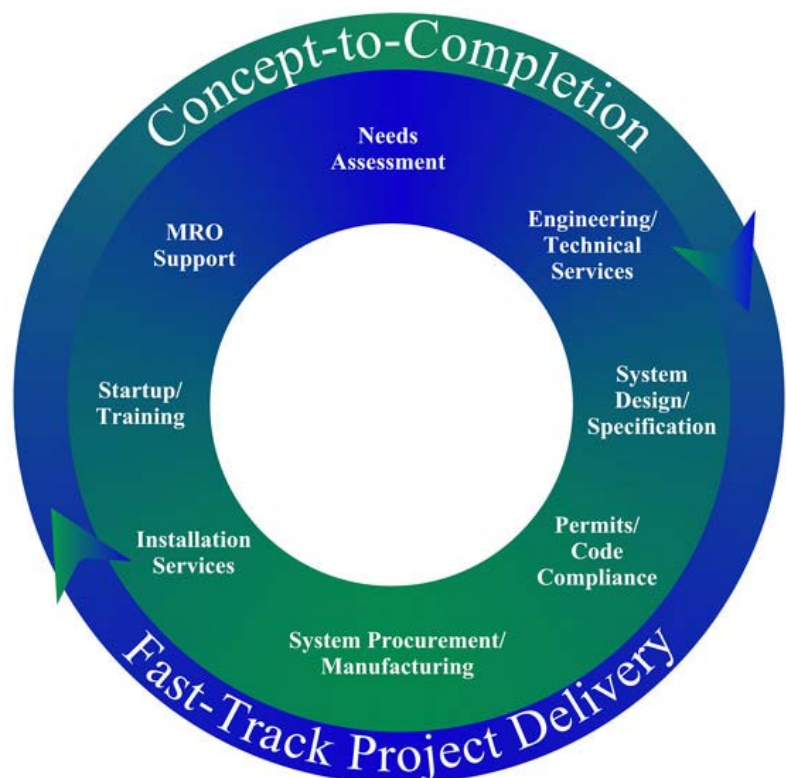
## SUPPORT SERVICES

### Core's Support Services Include:

- Needs Assessment
- Engineering
- System Design/Specification
- Permits/Code Compliance
- System Procurement/Manufacturing
- Installation Technical Services
- Startup/Training
- MRO Support

### Core Is Not Your Ordinary Contract Vendor - Comprehensive Support Services

Core Engineered Solutions is a single-source company providing government users and their prime contractors comprehensive support to assist in system design, procurement, factory installation of equipment, packaging, shipping and technical oversight for installation. We work with facility managers, engineers and contracting officers up front to help determine user facility requirements and the most efficient system design. Single-source responsibility ensures system compatibility, timely production, delivery, superior quality and operating performance.





## THE CORE ADVANTAGE

There is no more convenient way to provide system design, production, integration and delivery.

We've seen it before - Core provides economical, ready-to-install, pre-engineered systems for standard fueling applications. Standard systems are available for emergency power fuel supply, boiler backup fuel, vehicle and equipment fueling, hazardous material storage and oil/water separation. Pre-engineered systems are field-proven, standard for multiple sites, significantly more economical to manufacture and have short lead times. Core systems use only the highest quality parts to ensure safety and reliability. Fuel Storage Systems typically include safeguards for secondary containment, fire resistance, ballistic and vehicle impact, gauging/monitoring and spill/overflow protection.



The benefits of using Core Engineered Solutions include:

- Compliant and field proven systems - thousands of installations
- Integrated design and procurement – saves time & money
- Experience and reliability – we have seen it before
- First quality parts – safe, reliable and efficient
- Fast-track solutions – on time every time
- One point of contact for scheduling, cost and quality
- Single source responsibility – ensures system compatibility
- Pre engineered – standard systems for multiple installations

### Fuel Storage Systems Expertise:

- Vehicle Dispensing
- Emergency Power
- Boiler Fueling
- Marina Fueling
- Aviation Fueling
- Fuel Management
- Waste Oil
- Alternative Fuels

### Chemical Storage Systems Expertise:

- Chemical Storage Buildings
- Folding / Portable Storage Buildings
- Self Contained Emergency Showers



## INTERNATIONAL INSTALLATIONS

Thousands of installations across more than 30 countries.

Core has over 15 years experience in manufacturing and shipping Fuel Storage Systems around the world. Core Engineered Solutions has thousands of installations spanning across more than 30 countries including many remote destinations. Core's GSA contract (GS07F-9110G) allows government agencies to bypass the lengthy and often expensive bidding process.

Core works extensively with international shipping companies. We are able to offer service to the port and often times direct to the site. When an order is ready for shipment, CES will provide the customer with a digital photograph of the tank or building and related accessories. We will forward a comprehensive packing list. Once the order is underway we provide all necessary shipping information to ensure a timely and smooth delivery.

### International Installations:

#### American Samoa

- USAR Center

#### Aruba

- Radison

#### Australia

- Commercial App.

#### Azores

- Lajes Field

#### Cuba

- Guantanamo Bay

#### Germany

- Ramsein Air Base

#### Guam

- Andersen AFB
- Department of the Interior
- FAA, Guam
- USN Barrigada
- USN Marianas

#### Greece

- USN Souda Bay

#### Iceland

- Keflavick Air Base

#### Iraq

- Balad Air Force Base





## REPRESENTATIVE PROJECTS

### International Installations Continued:

#### Italy

- Aviano Air Force Base
- USN Sigonella

#### Japan

- Camp Butler
- Camp Courtney
- Camp Foster
- Camp Fuji
- Camp Kinser
- Iwankuni
- Kadena Air Force Base
- Okinawa Public Works
- Yokosuka Naval Base
- NAHA Port

#### Korea

- MEC Phang
- Osan Air Base
- US Army

#### Kuwait

- US Army

#### Marshall Islands

- FAA Installation

#### Micronesia

- FAA Installation

#### Portugal

- Department of State



**Client:** United States Border Patrol  
**Location:** Sites Nationwide  
**Project:** Vehicle Fueling Systems

Core Engineered Solutions furnished the Border Patrol with turnkey fueling systems at multiple sites throughout the country. This included design, production, installation, start-up and training. Electronic fuel management systems were installed at all sites for security and accountability. Systems were linked to a site PC and have capabilities for remote monitoring. Core's pre-engineered fueling systems provided the Border Patrol with standardized equipment throughout the country.



**Client:** USMC  
**Location:** Camp Fuji, Japan  
**Project:** Vehicle Dispensing Systems

Camp Fuji, located at the base of Mount Fuji, Japan, was originally used as a military training area for a Samurai army over 800 years ago. Now as part of the Marine Corps Base Camp Butler complex, Camp Fuji's mission is to support military training by US Forces. The USMC required secure fueling systems at the base to refuel a multitude of fleet vehicles.

The project included three separate refueling stations with a total capacity of 24,000 gallons. Each station included a split 4000 gallon gas/diesel fueling system. Dual wall UL 2085 rated ConVault storage tanks were used to ensure the safest system possible. ConVault tanks are surrounded by six inches of reinforced concrete, protecting both the primary and secondary containment. Each tank included: two twin hose high speed fuel dispensers, leak detection, remote fill system, hold down restraints and fuel management systems. Custom canopies were installed over each tank. The systems have given the Marine Corps added safety and environmental security. Camp Fuji has become a flagship fueling facility for the US Navy within the Pacific Rim.



## REPRESENTATIVE PROJECTS

### International Installations Continued:

#### Puerto Rico

- San Juan National Historic Fort
- USN Sabana Seca

#### Russia

- Department of State

#### Spain

- Port of Cadiz

#### Turkey

- Incirlik Air Base

#### United Arab Emirates

- Camp Doha

#### UK

- RAF Mildenhall

#### USVI

- St. Johns
- St. Thomas

And More



**Client:** City of Oldsmar

**Location:** Oldsmar, FL

**Project:** Triple Compartment Fuel System

Originally purchased by Ransom Eli Old, the founder of Oldsmobile, the City of Oldsmar sits on the edge of Pinellas County at the Northern end of Tampa Bay.

As a result of recent growth the city needed to upgrade its fleet fueling system. Oldsmar required a new fueling system that would accommodate a variety of vehicles while still maintaining a small footprint.

Core Engineered Solutions provided Oldsmar with a unique triple compartment ConVault Aboveground Fueling System. The main tank was split three ways into 1000, 2000 and 3000 gallon compartments designed to store unleaded, premium and diesel respectively. The system featured 3 separate ASTRA dispensing systems as well as a TopKat fuel management system to help track vehicle history and monitor fuel consumption. The close proximity of the tanks to the water was a concern for the city of Oldsmar. An environment rich in salt water will cause steel tanks to rust and corrode prematurely. ConVault tanks were chosen in part because they are covered with a low maintenance concrete exterior that will not rust or corrode. The city of Oldsmar was able to reference Core's GSA contract (GS07F-9110G) allowing them to streamline the procurement process and receive GSA pricing.

**Client:** US Army

**Location:** Military Ocean Terminal, Sunny Point, NC

**Project:** Turnkey Refueling Systems

The Military Ocean Terminal, Sunny Point (MOTSU), supplies ammunition for all US troops overseas. The U.S. Army required a state-of-the-art fueling system to refuel the many service trucks in use throughout the base. Core provided a turnkey system which included a 10,000 ConVault and two 100 GPM Truck Loading/Unloading skids. Core's scope of services for MOTSU included manufacturing, off-loading, electrical installation, removal of existing underground piping and startup.



## REPRESENTATIVE PROJECTS

### Government Users:

#### Department of Defense

- US Air Force
- US Army
- US Navy
- US Marine Corps
- US National Guard

#### US Army Corps of Engineers

#### Department of Transportation

- FAA
- US Coast Guard

#### Department of Commerce

- NOAA
- National Weather Service

#### Department of Agriculture

#### Department of Justice

- Bureau of Prisons
- Federal Correctional Institute
- Immigration & Naturalization

#### Department of Energy



**Client:** US Air Force

**Location:** Diego Garcia

**Project:** Fleet Fueling System

Diego Garcia is an island located in the heart of the Indian Ocean, some 1,000 miles (1,600 km) south off India's and Sri Lanka's southern coast. To say it is hard to reach would be an understatement. Since 1973 it has been used primarily as a military base by the United States. To service the fleet of vehicles at Diego Garcia AFB the US Air Force required the purchase and delivery of two new 5,200 Gallon Diesel Fuel Storage Systems.

Diego Garcia AFB chose Core Engineered Solutions because of Core's 15 years experience in manufacturing and shipping Fuel Storage Systems around the world. Core Engineered Solutions has thousands of installations spanning across more than 30 countries. Many of Core's installations are in remote locations such as Diego Garcia. The US Air Force was able to use Core's GSA contract (GS07F-9110G) to purchase the fueling systems which allowed them to bypass the lengthy and often expensive bidding process. To streamline procurement even further the Air Force was able to use a single credit card for the entire purchase.

Diego Garcia AFB chose two 5,200 gallon ConVault aboveground storage tanks as the cornerstone of its Fuel Storage Systems. ConVault tanks are covered with six inches of monolithic, reinforced concrete to ensure maximum protection against collisions and environmental exposure. Steel tanks in a harsh salt water environment such as Diego Garcia will rust prematurely and require constant sandblasting & repainting. ConVault tanks were chosen in part because they are covered with a low maintenance concrete exterior that will not rust or corrode. The systems included Astra fueling systems installed on each tank with separate fuel management systems to track vehicle history and monitor fuel consumption.



## REPRESENTATIVE PROJECTS

### Government Users Continued:

#### Department of the Interior

- National Park Service
- US Fish & Wildlife Service
- US Geological Survey
- Bureau of Indian Affairs
- Bureau of Land Management
- Bureau of Reclamation

#### FEMA

#### General Services Administration

#### US Foreign Service

#### US Forest Service

#### US Property and Fiscal Office

#### United States Postal Service

#### Department of Veterans Affairs

- VA Medical Center
- VA National Cemetery

#### Central Intelligence Agency

#### NASA

#### Department of State

#### Intl. Boundary & Water Comm.

#### White House



**Client:** USCG

**Location:** San Diego, CA

**Project:** Aviation Fueling System

Core Engineered Solutions, Inc. was selected to provide a design-build Aviation refueling system for the USCG capable of fueling and de-fueling Jayhawk helicopters at

75 GPM and 47 GPM, respectively. The installation included three 12,000 gallon fuel storage tanks with multiple pumps feeding each tank. Each redundant system featured tanks, piping, control systems, tank monitor, filtration and spill containment. In addition, the scope of work required the Core to relocate an existing 400 Hz power system used to power the Helicopters. Core's scope of services included; design assistance, manufacturing, procurement, installation, permits, inspection and training for the entire system.

**Client:** International Boundary & Water Commission

**Address:** US & Mexico Border

**Project:** Fleet Fueling Systems

Core provided procurement, labor, material supervision for the removal and disposal of two existing 6,000 gallon underground fuel tanks, dispensing units, concrete slab, canopies, collision posts, electrical, air and water lines for the IBWC at two locations in Texas (Falcon Heights and Mercedes, TX). At each site Core furnished and installed a split 6,000/6,000 gallon ConVault above ground fuel tank, collision bollards, an overhead canopy with lighting and concrete foundation footings and concrete slab. Site work equipment installation, electrical work, backfill and compacting of area, site cleanup and disposal of used equipment. In addition Core provided updated submittal plans and soil testing/sampling at each site. Equipment provided included:

- 12,000 Gallon Split ConVault & 2 Galvanized Sets of Stairs
- Bearing Pad Kit
- 2 Remote Fill Packages 2 Dispensing Systems
- Tank Gauging System & Fuel Management System
- Canopy System



## REPRESENTATIVE PROJECTS



**Client:** VA National Cemetery

**Location:** Nationwide

**Project:** Replacement Fuel Storage/Dispensing Systems

Core Engineered Solutions, Inc. designed, furnished and installed new fuel storage facilities to replace existing UST's at Veterans

Administration's Medical Centers and Cemetery's throughout the US. Upon completion, all state and federal documentation was submitted. To date Core has completed upgrades at 20 VA Cemetery and Hospital facilities throughout the US. Core's full scope of services allowed the VA to rely on one point of contact for the design, procurement and installation of state-of-the art equipment to replace existing UST's across the United States.

Most recently, Core provided upgrades to the fueling system at the VA Cemetery in San Joaquin California. Core's scope of services included the removal of two (2) 2,000 gallon underground storage tanks and the installation of a 1500/1500 dual capacity ConVault tank for gasoline and diesel dispensing and related equipment. The new system was equipped with a fuel management system to help track vehicle history and monitor fuel consumption. In addition, Core provided all the materials, design, labor and testing and necessary for the successful delivery and installation of a fully operational and compliant system. On site labor included: permits and approvals, unloading, setting, grounding, and electrical connections in compliance with all applicable regulations.



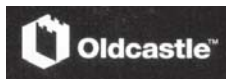
## ALLIANCE PARTNERS

Our expertise is the technical analysis of customer problems, system design and integration, and technical support for installation operations. Our solutions utilize the best available technology manufactured to our specifications by companies with whom we have built long term alliances. We evaluate our alliances for manufacturing quality, design innovation, and flexibility to meet our customer's specific requirements.



### **Precast Concrete Encased Aboveground Storage Tanks**

Technology licensed from ConVault, Inc. the Fire Resistant AST industry pioneer and leader with 17 years experience and over 35,000 national installations and a network of seven manufacturing facilities nationwide. AST production is from Oldcastle Precast, Inc.



Oldcastle Precast, Inc. is one of five U.S. divisions of CRH plc, a leading international building materials group, headquartered at in Ireland. The Group manufactures and supplies a broad range of building products across the construction supply chain. In total, CRH employs over 40,000 people at more than 1,300 facilities in 19 countries on 3 continents. North America is the largest region in the CRH group. Its activities are organized under a holding company, Oldcastle, into five product groups covering 550 locations in 48 states and provinces and employing over 19,500 people.



### **Hazmat Storage**

Laden Steel Fabricators, Inc. manufactures the PRO-TEC Hazmat Storage Facilities. Laden leads the industry in providing solutions for the safe storage of hazmat, chemicals, combustibles, flammables and explosives.



Environmental Compliance Products features the latest and best concept in Hazardous Materials Storage Buildings. double stacking of drums and seismic secondary containment shelving

### **Dispensing Equipment / Tank Monitoring / Other Equipment**

Our customer's special needs require us to procure materials, equipment and components from various manufacturers. These manufacturers are extensively evaluated for quality, flexibility, and response. We assure system integration and performance so that our customers are furnished complete and functional systems.



## CORPORATE PROFILE



Founded in 1990, Core Engineered Solutions was initially formed to manufacture and market the proprietary ConVault concrete encased Aboveground Storage Tank (AST), a new technology developed for the storage of petroleum and other fluids. This pioneering system was well received by the fire safety and environmental regulatory communities and provided a less costly and superior alternative to upgrading or replacing existing underground storage tanks. Core has grown to be the largest licensee of this product, having sold over 5,000 fuel storage systems to customers ranging from independent owner/operators to Fortune 500 companies and all levels of government. Customers include Amoco, General Motors, Ford, UPS, AT&T, Motorola, IBM, Dupont, USX, MCI Worldcom, 3M, AOL, Pfizer, Marriott and Georgia Pacific.

Products and service offerings have been developed to provide a comprehensive range of pre-engineered integrated system solutions for customers. Systems are built to the highest standards of quality and safety. Core is highly specialized technically, allowing for exceptional focus on system performance.

In 1993, Core became the first AST manufacturer to negotiate a contract with the General Services Administration to supply tanks, accessories and ancillary services to all federal government users. Core has consistently maintained the leading market share while competing with over a dozen other suppliers. Core has received the Riggs Bank *Fast Track Award* for growth and earned *Inc.500* honors as one of the fastest growing private companies in the country.