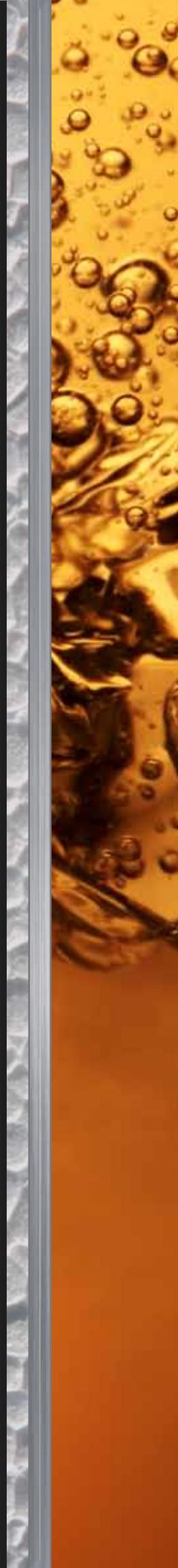
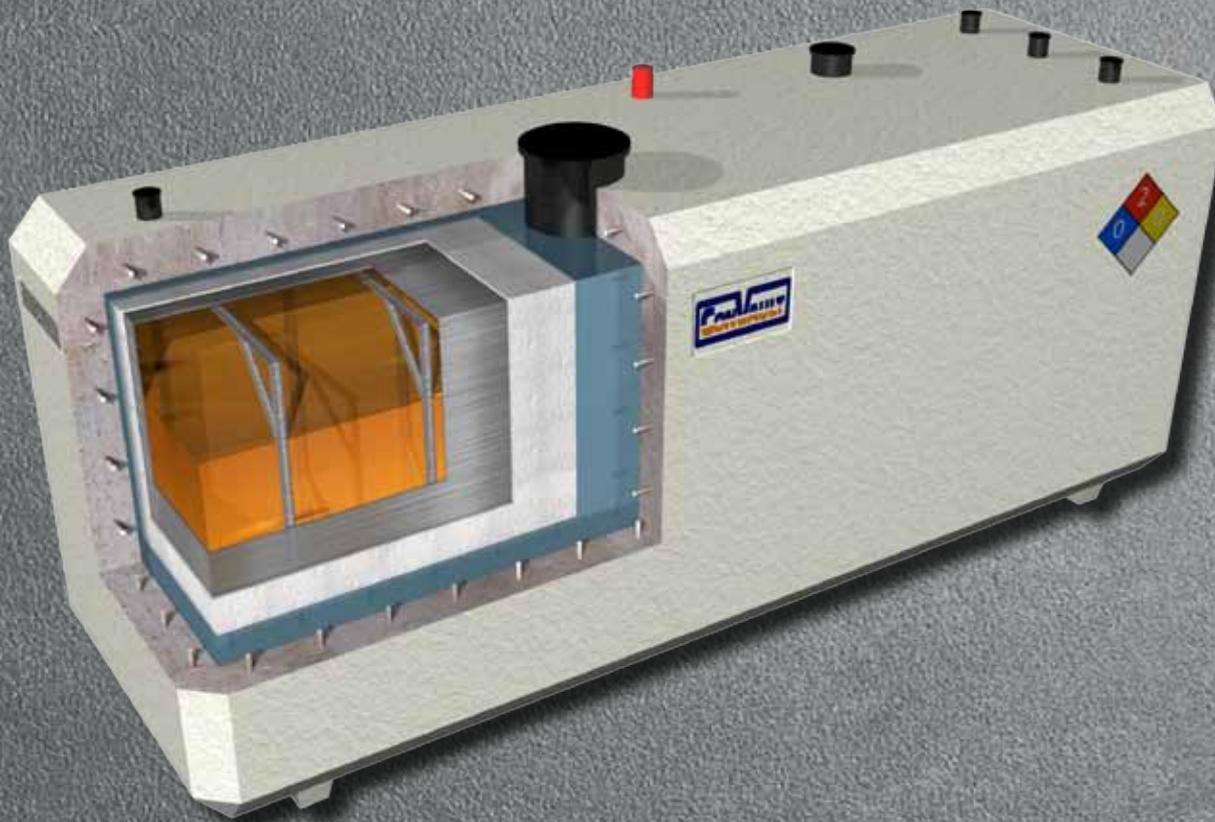




Above Ground Liquid Storage Solutions





AVIATION

FARMS/FORRESTRY/MINING

FLEET/YARD OPERATION

MARINE

MILITARY/PUBLIC SAFETY

MISSION CRITICAL OPERATIONS

WATER TREATMENT

From Oldcastle Precast, the leading manufacturer of precast concrete products, comes ConVault, a superior line of above grade liquid storage vault solutions offering unsurpassed protection, versatility and reliability.

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The ConVault line of products are ideal for Fuel & Lube Dispensing, Oil & Chemical Storage, as well as Generator & Boiler Set applications. ConVault above ground fuel storage tanks, (AST), are a patented system utilizing a primary steel tank, integral secondary containment, and an engineered concrete outer vault to provide a UL listed, impact resistant, time tested fluid storage solution.



# ConVault

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## Fire Protection

Seamless, six-inch reinforced concrete provides two-hour fire protection as per U. L. 2085 specification.

## Versatility

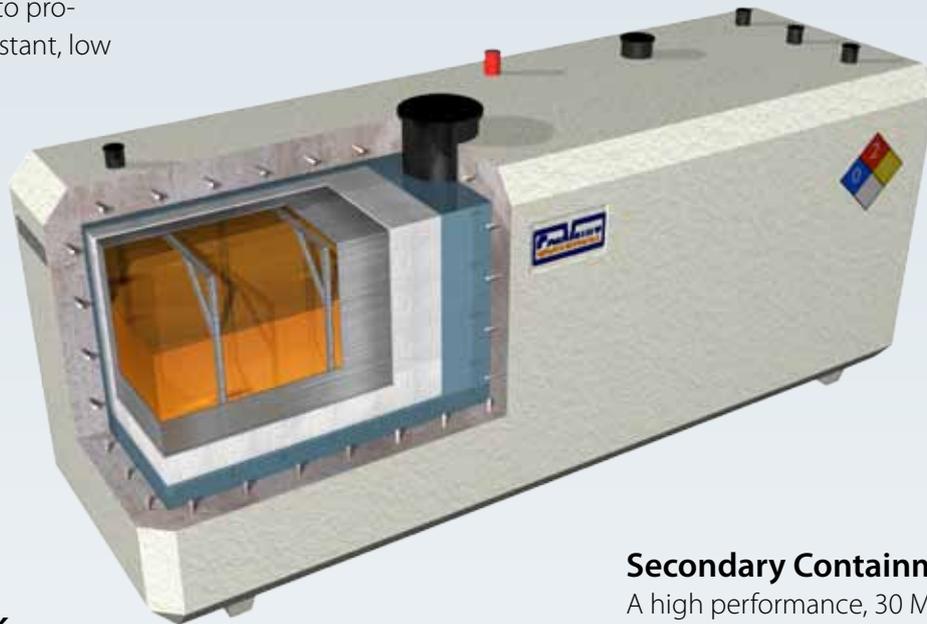
ConVault can be manufactured and configured for a variety of uses in restricted spaces.

## Engineered To Last

ConVault is Engineered to provide decades of rust resistant, low maintenance service.

## EPA Compliant

ConVault is compliant with EPA regulations, Spill Prevention, Containment, and Countermeasures plans.



## Impact Resistant

Vehicle impact, projectile, and blast resistance exceeds U. L. 2085 specification.

## Multiple Size Options

ConVault provides versatile storage solutions with tank sizes ranging from 125 to 12,000 gallons.

## Primary Steel Tank

The steel tank is isolated from the concrete encasement to assure corrosion protection.

## Secondary Containment

A high performance, 30 MIL high density polyethylene membrane encloses the primary tank and provides secondary containment.

## Thermal Protection

ConVault's monolithic concrete enclosure and insulation layers provide thermal protection.

# ConVault Benefits

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- **UL listed** - ConVault AST is listed in accordance with ULC 142.16, ULC 142.23 and UL Standard 2085 Insulated/Secondary Containment for Above ground Storage Tanks/Protected Type.
- **Meets Safety Regulations** - ConVault tanks meets all safety requirements for primary and secondary containment, leak monitoring, spill containment and overfill protection.
- **Manufactured** to the rigid standards of the Oldcastle quality control program at Oldcastle facilities around the country.
- **Engineering** - Every ConVault tank is designed and engineered to meet or exceed industry requirements for above ground fuel storage.
- **Environmentally Secure** - With multiple layers of containment surrounded by 6" of steel reinforced concrete, ConVault is designed to protect.
- **LEED** - Manufactured locally with recycled material.

# PRIMARY USES

## Generator & Boiler Sets



**Generator & Boiler Sets** are ideal for providing a reliable fuel supply for *Mission Critical* and *Emergency Power* applications such as emergency generator backup power for a wide range of critical facilities including:

- hospitals/medical centers
- water treatment plants
- data/computer centers
- telecommunications/internet service centers
- institutional boiler supply

## Fuel & Lube Dispensing



**Fuel & Lube Dispensing** - ConVault fuel & lube dispensing systems are designed and engineered for the safe storage and dispensing of liquid fuels and lubricants such as:

- gasoline/diesel
- ethanol
- biodiesel
- kerosene
- lubricants

## Oil & Chemical Storage



**Oil & Chemical Storage** - ConVault oil & chemical storage tanks provide safe and efficient storage of environmentally hazardous chemicals and petroleum products including:

- waste oil
- used oil
- vegetable/animal oils
- methanol/urea
- antifreeze
- hazardous waste oil

## Sizes

Capacity	L	W	H
250 GAL	7'-8"	3'-9"	3'-3"
500 GAL	11'-0"	4'-6"	3'-4"
1000 GAL	11'-0"	5'-8"	4'-4"
2000 GAL	11'-3"	8'-0"	5'-6"
3000 GAL	12'-2"	8'-0"	6'-11"

Capacity	L	W	H
4000 GAL	12'-2"	8'-0"	8'-9"
6000 GAL	17'-7"	8'-0"	8'-9"
8000 GAL	23'-1"	8'-0"	8'-9"
10000 GAL	28'-7"	8'-0"	8'-9"
12000 GAL	34'-1"	8'-0"	8'-9"

• Sizes listed may not be available at all plants. Please check with your local Oldcastle Precast ConVault Sales Representative for size availability.

• ConVault is also offered with split tanks, which are available in many sizes. Please check with your local Oldcastle Precast ConVault Sales Representative for more information on split tanks.

# APPLICATIONS

ConVault is designed and engineered for multiple uses and endless applications.

Let us show you how we can provide a solution to meet your above ground liquid storage need.



## AVIATION

ConVault is found in airports and military air operations nationwide because it's the safe above ground solution that can be flexibly configured to dispense aviation fuels in just about any footprint.



## MARINE

A growing number of Coast Guard and Harbor Patrol operations and marinas are moving to ConVault due to its outstanding track record standing up to corrosion and increasingly intense marine storms.



## MILITARY/PUBLIC SAFETY

ConVault proudly serves Air Force, Army, Coast Guard and Border Patrol operations as well as Police, Fire, and EMS stations across the USA.



### FARMS/FORESTRY/MINING

ConVault provides versatile, rugged dependability to the US Forest Service, Parks Departments, large mining operations, farms, ranches, and other natural resource managers.



### FLEET/YARD OPERATIONS

Impact and blast protection and low maintenance have made ConVault first choice for fleet and yard operations for decades.



### MISSION CRITICAL OPERATIONS

The safety and value of ConVault are being proven every day in hospitals, schools, data centers, correctional facilities, command centers, and other mission critical operations.



### WATER TREATMENT

ConVault serves double duty in wastewater treatment plants and lift stations by providing fuel for generator power and dispensing methanol used in processing.

## LOCAL MANUFACTURING

Manufacturing of ConVault takes place at Oldcastle Precast facilities around the country. Our national footprint allows us to service anywhere in the continental United States and Hawaii. Dealing directly with Oldcastle Precast means there are no third parties involved that may hinder fast service and delivery.

Our facilities use state of the art tooling to manufacture product of the highest quality. In addition, our plants are held to the rigid standards of the Oldcastle Precast quality control program, as well as industry certifications.

## ENGINEERING

ConVault is supported by Oldcastle Precast's national engineering and sales staff. Using advanced design and engineering software, every ConVault is designed, engineered, and manufactured to the latest NFPA 30, 30A, and 31 fire safety standards.

### UL Listed

ConVault AST is listed in accordance with:

- ULC 142.16
- ULC 142.23
- UL Standard 2085 Insulated/Secondary Containment for above ground Storage Tanks

### Engineered for Ultimate Value

Every ConVault tank manufactured by Oldcastle Precast offers superior strength, performance, and durability.

Some additional benefits include:

- EXTERIOR SHELL made of steel reinforced precast concrete increases in strength over time.
- Rust and corrosion resistant.
- Performs in even the most aggressive environments.
- Resistant to rain penetration, flood damage, and impact.
- Withstands multiple freeze-thaw cycles unlike other materials, which can deteriorate quickly with such regular exposure to expansion and contraction.
- Concrete vaulted tanks are designed to minimize the effects of creep and shrinkage.

### Engineering Support

Oldcastle Precast provides design and engineering support for every ConVault tank we manufacture. The local Oldcastle Precast ConVault Representative is available for prefabrication conferences to discuss the ConVault solution and configuration that meets your needs. Contact our staff for quick tank layouts and quotes.

## DELIVERY

In most geographic markets, ConVault is manufactured at the local Oldcastle Precast facility. Local manufacturing means less hassle with unexpected delivery delays.





## VERSATILITY

ConVault above ground liquid storage tanks offer a versatile aesthetically pleasing solution for safe and efficient storage of a variety of liquids including, environmentally hazardous chemicals, petroleum products, fuels, and lubricants.

## Easy to Configure

ConVault solutions can be manufactured and configured for a variety of uses and applications across multiple industries. Whether you need a fuel dispensing station for fleet vehicles, or a reliable fuel supply for mission critical and emergency power applications such as emergency generator backup power for critical facilities, every ConVault is designed to be configured for a specific application resulting in a liquid storage solution that can be counted on to perform as required while providing decades of low maintenance, rust free service.

## Multi-Compartment Tanks

ConVault tanks can be partitioned, in either direction, into multiple separate storage tanks for solutions that require the storage or dispensing of different types of liquids such as gasoline and diesel, from a single tank. This solution allows for multiple liquids to be stored in a small footprint.

## Multiple Size Options

To meet the various solution needs across industries, Oldcastle Precast ConVault provides versatile storage solutions with tank sizes ranging from 125 to 12,000 gallons. Multi-compartment tanks are available in a variety of configuration options.

## Blast and Impact Resistant

The strength and durability of the primary steel tank enclosed in steel reinforced concrete allows ConVault to provide unsurpassed protection against blast and impact damage. ConVault excels where other tanks fail when it comes to protecting the fuel containment steel tank from puncture due to impact or explosive blast. The exterior steel reinforced concrete is engineered to prevent puncture and withstand the impact from transportation related to facility operations such as forklifts and motor vehicles.

## SUPPORT

Oldcastle Precast is the leading manufacturer of precast concrete, polymer concrete, and plastic products in the United States. With a nationwide network of facilities, our products are always close at hand. Our employees are committed to upholding core values of reliability, quality, and service in revolutionary ways. Our attention to detail exceeds the expectations of customers from small companies to some of the largest companies in the US across a spectrum of industries.

For Product Pricing or Technical Support  
Please give us a call.

**888-965-3227**





# The Value of ConVault

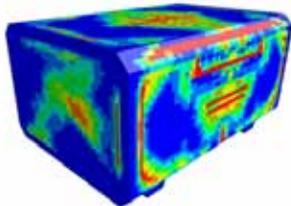
## LOW COST OF MAINTENANCE

All fuel tanks require inspection and maintenance, as required by Federal and State regulation. Over time, steel that is exposed to natural elements such as rain, will rust and require constant maintenance. The entire exterior of steel tanks is exposed to the elements; the ONLY exposed steel on a ConVault is the tank accessories and plumbing. Steel is also a better conductor of heat from the sun than concrete is, which causes outdoor steel tanks to transfer more heat from the outside of the tank to the fuel contained inside, resulting in more evaporative fuel loss. The insulative properties of the 6" concrete shell on ConVault tanks can dramatically reduce evaporative fuel loss.

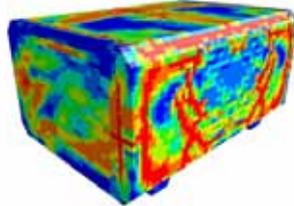
## UNMATCHED PROTECTION OF THE PRIMARY TANK AND SECONDARY CONTAINMENT

ConVault encases BOTH THE PRIMARY TANK AND THE SECONDARY CONTAINMENT in 6" of steel-reinforced concrete that outperforms stringent UL 2085 requirements for blast, fire, and ballistic impact protection. From coast to coast across the USA and around the world you will find countless examples of ConVault tanks reliably performing through extreme weather and catastrophic events. That's one reason why ConVault is the preferred tank at military, paramilitary, and public safety installations. A recent study by Karagozian and Associates demonstrated how the inertia and mass of ConVault's steel reinforced, monolithic concrete entombment protects the tank from blast and impact.

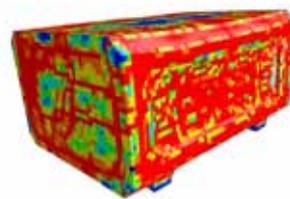
## Karagozian & Associates Blast Effects Study: Concrete



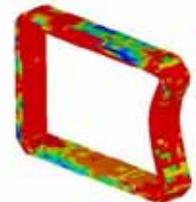
500 lbs TNT 40'



50 lbs TNT 10'



500 lbs TNT 10'



Section through AST

## CORROSION RESISTANT

Water is one of the most harmful elements to the integrity of any fuel storage system. Over time water can cause rust and corrosion on any exposed steel tanks or fittings. When rust is introduced into the fuel supply it can significantly damage your fuel system leading to further corrosion, clogged fuel filters, fuel injectors, and possibly even tank failure.

ConVault's non-metallic secondary containment is sealed "inside" the 6" thick, precast concrete exterior and is designed not to fail should the primary tank that holds the fuel ever fail. The concrete exterior also features a low maintenance exterior finish that is rust and corrosion resistant eliminating the need for tank cathodic protection. ConVault tanks can be used with confidence in very aggressive environments.

## SOLVES SPACE CONSTRAINT

ConVault is an ideal storage solution when space constraints such as property lines, and building envelopes restrict available footprint. ConVault's rectangular, concrete encased AST tanks allow you to safely store more fuel in a smaller footprint. In addition, Oldcastle Precast offers ConVault AST split tanks enabling you to store and dispense gas and diesel fuel or fuel and lubricants in one cost saving, compliant, easy solution to deploy and maintain.

## CONVAULT - 30 YEAR WARRANTY

ConVault offers an exclusive 30 year written Limited Warranty. ConVault, Inc. warrants each CONVAULT® tank against defects in material or workmanship to the original owner from the date of purchase, for a period of twenty (20) years or thirty (30) years depending on model number of the tank. ConVault agrees to repair or replace any defective unit without charge provided that the tank is operated and maintained in accordance with the manufacturers Owners Manual.

*Expertise and experience that enables you to quickly meet ALL fuel storage regulations  
so you can focus on your business – today and for many years to come.*





[www.oldcastleprecast.com/convault](http://www.oldcastleprecast.com/convault)

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