

# TRUFIREWALLS™

BUILT TO TAKE THE HEAT.



# BUILT TO TAKE THE HEAT.

## PROTECTING YOUR CRITICAL ASSETS.

A power substation contains all of the ingredients required to generate the perfect fire storm. A typical transmission transformer bank consists of three or more transformer tanks, each containing 10,000 to 45,000 gallons of mineral oil. The initial spark is likely to come from electric arcing inside the tank, which also generates heat and pressure high enough to rupture the tank. Oxygen immediately rushes into the tank causing the oil within the tank to violently explode, creating a blast of intense radiation, flying shrapnel, and flaming oil. The effect of the blast is instantaneous and has been documented to ignite other transformers more than 60 feet away from the initial fire.

## A PROVEN SOLUTION, PROVIDING UTILITY OWNERS PEACE OF MIND.

The replacement cost of a typical large transformer is approximately \$1.5 to \$2.5 Million per phase with a typical lead time of 12+ months. However, the higher cost by far is the replacement energy which must be purchased from the spot market at premium prices during the outage of equipment.

TruFireWalls™ exceed industry standards and construction codes in order to protect your critical assets. We are committed to providing our customers with the most effective high temperature and long duration fire containment walls on the market.

## SAFEGUARDING THE ASSETS THAT KEEP YOUR BUSINESS RUNNING STRONG.



### CERTIFIED 4 HOUR FIRE RATING

Our walls are certified by Southwest Research Institute per ASTM E-119 and compliant with IEEE Std 979 and IBC construction codes. Our walls have surpassed both the required 4-hour fire exposure test and the 45 psi water jet blast test at 1,960° F.



### BALLISTIC IMPACT RESISTANT

TruFireWalls™ have sufficient impact resistance to survive shrapnel impingement and are capable of stopping a 44 Magnum ballistic projectile with no through penetration, which is equivalent to UL Standard 752 rating.



### QUICK AND SIMPLE INSTALLATION

TruFireWalls™ are built from prefabricated components, and installed with standard tools. This results in significant cost savings due to grooved columns and slide-in panels that allow construction of one wall in one day or less.

# TRUFIREWALLS™ FEATURES

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4 Hour Fire Rating  
ASTM E-1119 Certified

## EASY TO INSTALL

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Lightweight panels and grooved column components allow for quick assembly with low capacity boom trucks.

## UNIQUE REFRACTORY DESIGN

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Economically meets all thermal and mechanical requirements before, during, and after, long duration fires.

## BALLISTIC IMPACT RESISTANT

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Equipped to address potential ballistic attacks, TruFireWalls™ are built to withstand and stop a 44 magnum ballistic projectile.

## REMOVABLE PANELS

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Component design allows for quick wall disassembly during transformer repair and maintenance.

## MAINTENANCE FREE

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Once installed TrueFireWalls™ are maintenance free, and can even withstand multiple fires without needing to be replaced.





**Oldcastle®**  
Enclosure Solutions

Count on Oldcastle Enclosure Solutions to deliver reliable, high-performance products to allow for a safer and more successful project.



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At Oldcastle Enclosure Solutions, we understand what makes your projects successful — the right enclosure, for the right location, for the right application. That's why we're dedicated to providing innovative, high-quality solutions to meet every application and the reliable service to back it up.

We leverage our footprint and manufacturing portfolio of the world's leading brands in grade-level utility boxes to create optimal solutions for Electrical, Communications, Water and Irrigation markets.

We believe our solutions do more than simply support infrastructure, that our solutions keep our communities running strong.