



The Total Cost of Corrosion: Comparing Using ZRC vs. Replacing the Metal Structure

A little bit of regular maintenance goes a long way!

Corrosion, the gradual deterioration of metals due to chemical reactions with the environment, is an ever-present adversary to the longevity and reliability of metal products.

Left unchecked, this natural process can undermine structural integrity, compromise functionality, and incur substantial economic losses.

Yet, a small investment in regular upkeep and maintenance is a powerful shield against the steep costs associated with repairing or outright replacing corroded metal products in the future. By prioritizing proactive care, companies and individuals alike can navigate the challenges posed by corrosion and safeguard their investments for the long haul.



Bridges

The cost of a new metal bridge can vary significantly depending on a variety of factors, including the length of the bridge, its design complexity, location, local labor and material costs, site preparation requirements, and more. Bridge construction costs are usually calculated on a per-foot basis.

Simple short-span pedestrian bridges:
\$200,000 to \$1 million

Small vehicular bridges:
\$2 million to \$10 million+

Large vehicular bridges:
\$10 million to 100 million+

The cost of maintaining a bridge with ZRC once a year:
\$9.20 to \$33.19 per square foot (including glass blasting)

Bridge Railing

Basic steel or aluminum railings:
\$50 to \$150 per foot

Custom or decorative metal railings:
\$150 to \$300+ per foot

The cost of maintaining a bridge railing with ZRC once a year:
\$4.08 to \$9.46 per linear foot



Metal Gate

Basic Metal Garden or Driveway Gates:
\$200 to \$3,000+

Ornamental or Decorative Metal Gates:
\$2,000 to \$10,000+

Industrial or Commercial Metal Gates:
\$2,000 to \$30,000

The cost of maintaining a metal gate with ZRC once a year:
\$7 to \$14 per linear foot



Metal Fencing

Basic Metal Chain-Link Fence:
\$5 to \$20 per linear foot

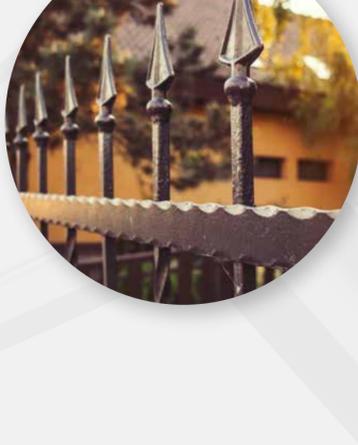
Ornamental Metal Fence:
\$20 to \$100+ per linear foot

Steel or Aluminum Panel Fence:
\$20 to \$60 per linear foot

Metal Picket Fence:
\$20 to \$50 per linear foot

Industrial or Commercial Metal Fence:
\$10 to \$100+ per linear foot

The cost of maintaining metal fencing with ZRC once a year:
\$7 to \$14 per linear foot



Commercial Fishing Boat

Small to Medium-Sized Fishing Boats:
\$20,000 to \$200,000+*

Larger Fishing Vessels:
\$200,000 to \$2 million+*

*Boats with specialized equipment or technology for specific types of fishing can have higher costs due to the added features and functionality.

The cost of maintaining a commercial fishing boat with ZRC once a year:
\$550 to \$800



Boat Propeller & Gear Shaft

Standard Aluminum Boat Propellers:
\$50 to \$300+, depending on the size and pitch

Stainless Steel Boat Propellers:
\$200 to \$800+, depending on the size and brand.

High-Performance or Specialized Boat Propellers:
\$200 to \$1,000+

Boat gear shaft:
\$200 to \$1,000+

The cost of maintaining these marine items with ZRC once a year:
\$100 to \$200



HVAC Cooling Towers

Small to Medium-Sized Package Cooling Towers:
\$17,000 to \$30,000+ *

Large Industrial Cooling Towers:
\$32,000 to \$45,000*

*Replacing existing cooling towers means an additional cost of crane rental, typically \$12,000 to \$15,000 per day for weekends/off normal working hours. This must be done during "off hours" due to them needing to be in service during the regular workday for the building they're cooling.

The cost of maintaining an HVAC cooling tower with ZRC once a year:

Small to Medium-Sized Package Cooling Towers:
\$4,000+*

Large Industrial Cooling Towers:
\$15,000 to \$20,000+*

*Including the cost of refill cooling media in addition to coating with ZRC



Cell & Transmission Towers

Lattice Steel Transmission Towers:
\$200,000 to \$1 million+*

Monopole Transmission Towers:
\$250,000 to \$800,000+*

Guyed Transmission Towers:
\$100,000 to \$500,000+*

High-Voltage Transmission Towers: \$1 million+*

*These figures depend on the height, voltage capacity, and design.

The cost of maintaining a transmission tower with ZRC once a year:
\$4,000 to \$60,000

(200' guyed tower & 1,000' broadcast tower, respectively)

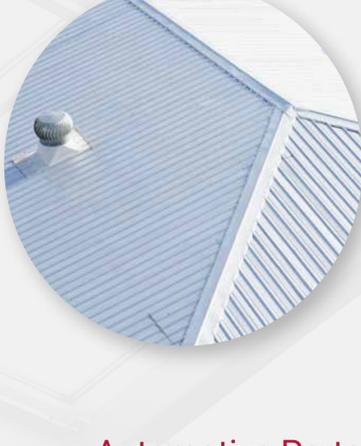


Galvanized Metal Roof

Basic Galvanized Steel Roofing:
\$2 to \$3 per square foot

Galvanized Metal Roofing with Enhanced Features:
\$4 to \$8+ per square foot

The cost of maintaining a metal roof with ZRC once a year:
\$3.05 per square foot



Automotive Parts

Basic Steel Skid Plates:
\$50 to \$150+

Aluminum or Composite Skid Plates:
\$100 to \$300+

Custom or Performance Skid Plates:
\$300 to \$2,000+

The cost of maintaining automotive parts with ZRC once a year:
\$28.35

There's a Reason We're the Industry Leader



The day a structure is finished being constructed is also the day it begins to rust. It's unavoidable without proper maintenance.

Rust prevention is crucial for any type of metal, as unchecked corrosion will eventually cause significant damage to the structural integrity of the metal and compromise its sturdiness over time. This includes bridges, cell towers, boats, gates, fencing, and other metal structures.

ZRC's unique formula provides a self-healing galvanic film that stops corrosion from taking hold. "Ultra pure" Zinc dust (ASTM D520 Type III) is integrated with our trade-secret organic binder. This binder allows the zinc particles to remain in contact with each other so that the ZRC is anodic to the base metal, thereby imparting true galvanic action.

Our products are internationally trusted as high-quality solutions to corrosion protection, and this isn't by chance. The ZRC difference is made possible by the high zinc content (95% by weight in the dried film) in our ultra-pure zinc dust and proprietary, non-encapsulating binder.

You can shop for your needed rust prevention products from anywhere at any time, without having to leave your office or home, by going to our online store.

Order now and we'll ship within 24 hours!



Shop ZRC for Corrosion Protection

