

Cooling Tower Restored for 80% Less Than the Cost of Replacement

Situation

Cherry Tower had an old BAC cooling tower up on the 16th-floor roof. Unfortunately, given the high installation costs and their capital budget, they could not purchase and install a new unit: they needed a solution. So when Trane, their service provider, proposed that HVAC Armor refurbish their current cooling tower, Cherry Tower agreed. After rejuvenation, they were able to put their system back into full service, and because they were able to avoid hiring a crane, they saved over 75% off the cost of new cooling tower.

Scope

- Clean cooling tower interior and exterior
- Sandblast interior
- Repair cooling tower holes
- Minor repairs, replace pans (as required), and fix damaged sheet metal
- Remove and replace fill eliminators
- Inspect distribution systems
- Coat interior and exterior metal
- Coat structural steel
- Grease shafts and verify bearings

Cherry Tower

Industry:

Office Building

Location:

Denver, CO

Project Goals:

Return full functionality to rooftop BAC cooling tower

Project Cost:

\$75,000

Energy Payback:

11.2 years

Useful Overhaul Lifespan:

15 years



Before



After Sheet Metal Repair



After Coating



HVAC Armor offers state-of-the-art corrosion protection coatings and solutions that save energy, enhance performance, and rejuvenate HVAC equipment. HVAC Armor is part of ECM Holding Group, a collection of conservation technology firms serving North America's leading ESCOs and corporate clients.

For more information, please visit www.hvacarmor.com, or call 920.267.6120.