



Core Competencies:

- Industrial HVACs
- Commercial HVACs
- Residential HVACs
- Cold Storage Systems
- Refrigeration Units
- Automotive A/Cs
- Heat Pumps
- Energy Efficiency Management Consulting

General Information:

NanoX Technologies, LLC
 2003 S. 216th Street
 #98689
 Des Moines, WA. 98198

State of Incorporation: WA

Registered in SAM
 NAICS Code: 324191
 DUNS# 116-767-280
 Cage Code: 89JN1
 Certified Veteran Business

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Accepts Gov't Credit Card Payments

Made in the U.S.A.

Vertical Markets:

- Military & VA Hospitals
- Military Buildings
- Military Barracks
- Military Family Housing
- Military Fleets (Ships/Vehicles)
- Military Commissaries
- Military Facilities
- Military School
- Military Convenient Stores
- Military School Buses
- Government Buildings
- Government HUD Housing
- Government Motor Pool Fleets
- Government Ports
- Gov't Maintenance Cruise Ships
- Government Ferry Boats
- Government Transit Associations
- Government Sound Transit & Rail
- Utility Companies
- Universities & Colleges
- Data Centers
- Airports
- Theaters
- Sports Centers & Gyms
- Ride Shares (Uber/Lyft)
- Transport Trailer Refrigeration
- Auto Dealership Services
- Cold Storage Facilities
- HVAC Manufacture & Services
- 711 Convenience Stores
- Commercial Construction
- Seafood Processors & Suppliers
- Grocery Stores
- New Construction & LEED Projects

NanoX Technologies Capabilities Statement

NanoX Technologies is a Certified Veteran, Small Business & Minority owned company that provides a clean energy technology solution that improves bottom line profitability & reduces total cost of ownership by optimizing performance and efficiency through a one-time treatment in new & used **Air Conditioning, Heating & Refrigeration Systems**. A clean energy solution that reduces energy cost, maintenance cost and carbon greenhouse gas emissions by at least 10%.

We endeavor to develop value added relationships with Government clients and Prime Contractors to offer a High ROI & IRR solution to your budgeted and funded Energy Efficient Projects to achieve state Clean Energy Economy goals as well as your overall corporate sustainability goals.





Clean Energy Technology Solutions

“This letter is to confirm our finding that NREL’s recent laboratory study of the Cold-Plus additive in a 10-ton rooftop air conditioning unit (RTU) showed an increased refrigerant flow rate in the primary circuit after the additive was installed. The mass flow of R-410A refrigerant was observed to increase by approximately 14% when the test article was operated at comparable test conditions before and after Cold-Plus was installed. This relative increase was consistent, with minor variation, across several measurement points and appeared independent of which state the test article was operating in.” Dane Christensen, U.S. Department of Energy’s National Renewable Energy Laboratory, Jun 13, 2017



Our technology is compatible with all HVAC-R systems except “ammonia & ammonia/glycol” refrigeration systems.

What Sets Us Apart:

All other market place competitors are Stage 1 products that reverse oil fouling in the system in the short term. Cold-Plus comprises advanced patent pending formulations which, after the initial introduction takes place, permanently embeds in the pores of the metal and fuses: bonding to the friction-bearing parts of the compressor and inner walls of the thermal transfer tubing carrying the refrigerant and compressor oil. The fused molecules are now in an inert state in which nothing can chemically react or adhere to the new surface. Oil fouling at this point is no longer possible. As the oil molecules attempt to reestablish their adhesion, they are smoothly channeled back into the system.

Cold-Plus formulations are the only product line which permanently prevents the re-introduction of oil fouling that impedes HVAC system operation and makes compressors work harder, causing higher kilowatt usage. The Cold-Plus Stage 2 difference also includes other inert polymers acting as nuclei to enhance pool boiling and thus thermodynamics – both heat and cold transfer.

Cold-Plus Case Studies

Return on Investment- “The return on investment...based on the 8% reduction in consumption & the treatment injection cost, is less than 7 months.”

Energy Cost Reduction- “An estimated peak demand savings of 86KW, a 15.1% reduction translates to an energy cost savings of \$16,176.”

Oil Fouling Removal- “The increased heat transfer & refrigerant flow restored much of the cooling capacity of a 12 year old Trane 20-ton Voyager A/C unit.”

Pool Boiling Improvement- “the treatment is found to enhance pool boiling of refrigerant.”

Emission Reduction- “An estimated peak demand savings of 86KW, a 15.1% reduction translates to an energy cost savings of \$16,176.”

Extended Unit Life- “The study clearly shows...the decreased KWH for each of these units. Because of the polymer, this should continue for the life of the unit.”

Maintenance Cost Reduction- “reduced load on the unit after treatment also results in longer operational lifespan and fewer service calls.”

Start-Up Amp Reduction- “What the results show is a virtual elimination of the amp spike during start-up.”

Increased Lubricity- “the treatment is found to enhance wear lubricity to compressor operations.”

Run-Time Reduction - “compressor run-time to achieve the set peak performance system temp reduced by 40.11%”

Past Performance:

- Goodyear
- National Auto Repair
- Sears
- Jiffy Lube
- Anheuser-Bush
- Automobile Dealers
- Hy Vee Groceries
- ACCER Computers, Australia
- Israel Companies
- Canadian Companies

Benefits Includes:

- Completely eliminating oil fouling
- Speeding up thermodynamics,
- Improving pool boiling
- Decreasing compressor running time
- Reducing start-up amp spikes
- Reduces utility, power and energy cost
- Reduces maintenance cost
- Extends system life