

Inventive Energy Solutions, Inc.

Smart energy. smart savings

Key Benefits of IES's Proven Energy Reduction Technology of Cold-Plus include:

- **Enhanced Energy Efficiency/Reduction:** Achieves substantial energy savings (proven 5% - 18+) without compromising cooling performance, *immediately* reducing energy costs, along with a reduced environmental carbon footprint. (Depending on the age of the equipment - typically, older equipment see greater results)
- **Reduces Energy Consumption:** By using a nucleating agent that **optimizes** compressor performance by speeding up the thermodynamic process that - see next line item.
- **Improves Refrigerant Pool Boiling:** liquid to gas phase occurs 20% faster.
- **Removes and Prevents Oil Fouling:** This causes system to use more energy to work correctly, due to friction.
- **Reduces Surface Tension and Friction by bonding on inner tubing walls of coils:** using a unique two stage process of nano polymers, allowing compressor to move more refrigerant through the coils, due to less friction.
- **Increased Wear Lubricity**
- **Reduces Friction on Compressor, resulting in Lower Operating Temperatures:** head & high pressure gas (both by -15 to -12°C [5 to 10°F])
- **Reduces Compressor Startup Amp Draw and Spikes:** 80% of compressor wear occurs at start up
- **Reduces Compressor Running Time**
- **Reduces Compressor Maintenance and related cost**
- **Reduces Compressor Operating Sound Levels (dB):** 3-5 dB
- **Restores Compressor to Near New Condition**
- **Extends Life of System Compressor:** 1-3 years.
- **Enhances System Performance & Lowers Emissions**
- **Non-toxic**
- **Environment Friendly**
- **Cost Reduction:** Proven lower energy bills and maintenance costs.
- **Strong (ROI) Return on Investment:** Typically, between 12 - 36 months.
- **Sustainability:** Contributes to the sustainability goals by minimizing energy usage and emissions.
- **Qualifies for Multiple Carbon Credit Registries:** Specifically, the Gold Standard Certification of Accepted Methodologies of Testing, and the Veera Group
- **Reduces Carbon Emissions:** Carbon credits can be sold or traded, as desired, in a thriving market, further reducing capital investment.