

Hot Watt Solar, LLC

Toll Free 877-894-6773

Local 586-465-6773

Fax 586-465-5727

Hot Watt Solar announces the release a cost saving, revolutionary product that will counter ongoing increases in electricity costs, in the form of a patent-pending product called **Cold-Plus™**, an Air Conditioning / Refrigeration / Chiller treatment that results in substantially lowered kilowatt usage, and commercial / residential utility savings.

Our mission, with this fantastic product, is to reduce electrical consumption in Air Conditioning and Refrigeration systems, and Water Cooled / Air Cooled Chillers. **Cold-Plus™** improves energy efficiency, increases life expectancy of AC / Refrigeration compressors, and Water Cooled and Air-Cooled Chillers, and reduces future repairs, ultimately resulting in lower utility bills and better operating A/C and Refrigeration systems.

With global warming upon us, record prices for crude oil at the \$100 per barrel mark, record high fuel costs at the pump, and private and public utilities continually being forced to raise their rates, the United States is unfortunately in the midst of an energy crisis. **Cold-Plus™** will counter ongoing increases in electricity costs!

Our Product

Tested, Effective Applications

Our product is **Cold-Plus™**, a patent-pending refrigerant treatment that is compatible with all refrigerants and oils and is applied to compressors in air conditioning systems, refrigeration systems, and Chillers. **Cold-Plus™**, when introduced into the compressor by a licensed, qualified AC / Refrigeration technician, interacts with "Oil Fouling" in the copper tubing carrying the refrigerant, and then dissolves the "Oil Fouling", thus eliminating it and preventing it from every re-occurring. Additionally, the **Cold-Plus™** also coats the friction bearing compressor parts, as well as the pores and inner walls of the copper tubing and the evaporator and condenser coils, with a sub micron polymer that enables the flow rate of the refrigerant to dramatically increase. This increases the refrigerant cycles per hour.

When utilized exclusively in an AC system, such as in one's home or business, energy savings can be achieved 10% to 20%. When utilized commercially in businesses with both AC systems and Refrigeration systems at the same time, energy savings can be achieved in the 15% to 25% range. Businesses with large refrigeration systems can have utility bills in the range of \$15,000-\$40,000 per month. These businesses could be saving in the range of \$4,000-\$8,000 monthly.

Cold-Plus™ will:

- Eliminate and Prevent future "Oil Fouling"
- Reduce Compressor friction
- Lower equipment operation noise
- Lower the utility/electric bill through kilowatt reduction
- Cut down on Repair Costs
- Extend the life expectancy of your...
 - ✓ Air Conditioner Compressor
 - ✓ Refrigeration Compressor
 - ✓ Water-Cooled Chiller
 - ✓ Air-Cooled Chiller

- Cold-Plus™ is a revolutionary new technology that improves refrigeration efficiency in multiple refrigeration applications, including air conditioning compressors, refrigeration compressors, and chillers
- Cold-Plus™ is a refrigerant enhancer that improves efficiency without adding any chemically reacting or altering additives. The product improves the heat transfer on the refrigerant as well as increases refrigerant flow, and lowers the temperature of the refrigerant during its phase change from vapor to liquid to vapor.
- Cold-Plus™ bonds to the metal parts of the compressor, as well as the inner walls of the copper tubing, fusing sub-micron size polymers onto friction surfaces, ensuring more efficient, quieter operation.

The Phenomenon of "Oil Fouling"*

As a compressor operates under normal conditions, approximately 1% of the oil in the compressor escapes the compressor and enters into the copper tubing carrying the refrigerant as it travels the copper tubes from the compressor to the evaporator. This oil escapes as tar and gum, due to the super-heating of +200 degree temperatures under which the compressor operates. Over time, "Oil Fouling" builds up in the following manner: after 1 year there is 7% "fouling", or blockage, in the copper tubes that carry the refrigerant, in the form of a heavy, lacquer-like substance; after 2 years, an additional 5% (now a total of 12% fouling); and after each subsequent year an additional 2% fouling/blockage occurs. So, after 5 years a system will have 18% "Oil Fouling".

Cold-Plus™ dissolves this "Oil Fouling", eliminating it from the system, and also prevents it from ever reoccurring in the system. This crucial component of Cold-Plus™ execution accomplishes what conventional HVAC maintenance does not; that is, treating this ongoing, crippling condition within an AC / Refrigeration system.

*("Oil Fouling" reference information gathered from prior publications of ASHRAE, the "American Society of Heating, Refrigeration, and Air Conditioning Experts".

Testimonials

....“When my A/C technician came to do the yearly maintenance on my 12 year old A/C system, he asked me if I had had any work done on the system, to which I replied in the negative, and then asked why he wanted to know. He said he had never seen the readings on my system so “right on”.....Then I told him that I had **Cold-Plus™** injected into my compressor, and that my electric bills have averaged a 12% decrease each and every month since the injection.”

Mike Lixie-Jensen Beach, Florida

“This letter is meant to express my satisfaction regarding the installation of the **Cold-Plus™** treatment.....the technician injected **Cold-Plus™** into my upstairs AC unit (this unit works harder than the downstairs unit). Since the injection, the air coming out of my ducts is a lot colder than I have ever felt before, the unit seems to be running a much shorter time, and is much quieter than it has ever been... The **Cold-Plus™** was installed in my downstairs unit 2 weeks later and the same experience applies to that unit also. **I can only imagine the savings on my electric bill at the end of the year. If you asked me, I would suggest this product be used in every AC unit!**

A very satisfied customer...

Ursula A. Parrett-Ft Pierce, Florida

Frequently asked questions

Question: How often do I need a **Cold-Plus™ treatment?**

Answer: Once treated with **Cold-Plus**, you're A/C, Refrigeration, or Chiller will never need another treatment. It is a one-time only treatment that lasts the life of the compressor.

Question: My local A/C contractor is not familiar with **Cold-Plus™... .?**

Answer: **Cold-Plus™** is new to the HVAC marketplace. Hot Watt Solar can furnish licensed technicians, or can instruct your local AC company as to the proper procedures concerning the **Cold-Plus™** injection.

Question: How long does it take for a **Cold-Plus™ injection?**

Answer: We recommend that prior to injection, the AC system be maintained to ensure maximum operation, and that data be measured at 12 data points. The time frame should be 30-60 minutes, and the homeowner / business owner must be present as the thermostat must be in the “on” position during the injection.

Question: Will Cold-Plus™ void a manufacturer's warranty?

Answer: No. In 1975, the U. S. Congress passed the Magnuson-Moss Warranty Act, a federal law governing consumer product warranties. It affects both the rights of consumers and the obligations of warrantors' underwritten warranties. So, with regards to Cold-Plus™, this means that the manufacturer of your home air conditioner is not permitted to void the warranty because of aftermarket use of an additive manufactured by someone other than the equipment manufacturer, unless the Federal Trade Commission accepts a waiver stating that the warranted item will only function properly with a named product. This Act applied to residential instances only.

Commercially, a manufacturer may choose to void the warranty, so warranties concerning commercial transactions should be thoroughly checked out before Cold-Plus™ injections take place. But remember, the net result of Cold-Plus™ utilization is to make your system better: it will reduce repairs and lengthen the life expectancy of the compressor.

Question: Is there a warranty?

Answer: Yes. There is a 1 year limited warranty from the date of the Cold-Plus™ treatment to include the replacement parts and labor for any failure of a compressor less than 8 years old. And there is a 90 day limited warranty from the date of the Cold-Plus™ treatment to include the replacement parts and labor for any failure of a compressor 8 years or older.

Question: Who performs the Cold-Plus™ installation?

Answer: Pursuant to EPA regulations, the Cold-Plus™ injection and pre-maintenance must be performed by a licensed HVAC professional. Prior to the Cold-Plus™ injection, your A/C system should receive a thorough maintenance to ensure that it will be running as efficiently as possible based on the age and condition of the unit.

Question: Will I see a reduction in my energy/utility bill?

Answer: You should see an overall reduction in kilowatt usage, which will result in a lower energy / utility bill. Variables such as age of the compressor, how long the copper tubes have been in place, and how well maintained the system's been may affect the degree of savings. Additionally, a business treating both an A/C system as well as Refrigeration system should see a considerably greater kilowatt savings / utility reduction than a business just treating their A/C system.

Question: Many additives on the market for HVAC systems make similar claims. Why is Cold-Plus™ different?

Answer: Most of these products are PROA's (Polarized Refrigerant Oil Additives). Unlike these other products, Cold-Plus™ is not an additive but is a "treatment". It is a refrigerant enhancer, compressor treatment, and system cleaner that is unique to the other products currently on the market.

Question: Will Cold-Plus™ chemically interact with an Acid Neutralizer if one is introduced into a system containing Cold-Plus™?

Answer: If a compressor has been burned out and an Acid Neutralizer was used, the effects of Cold-Plus™ on a system would not be compromised.

Question: Ultimately, what benefits will I see from the use of Cold-Plus™?

Answer: Your system should operate more smoothly, efficiently, and quietly, giving you peak performance in fewer operating minutes per day. It will cost less to operate, saving you money, monthly, for the remaining life of your system. You should experience fewer repairs, and the life of the compressor will increase.

Question: I am an HVAC contractor. How can I go about picking up this product and offering it to my customers?

Answer: Simply call Hot Watt Solar at 1-877-894-6773.