

Water-based Nano heat dissipation coatings

Presented by: **Wsaver Technology**

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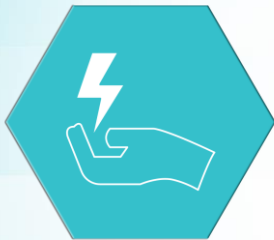
About Us

We are a team who constantly searching for an **Effective, Economical yet Sustainable Solutions** to improve the performance of the devices/equipment.

By putting peoples and the environment first, we are continually pushing technological boundaries & increasing stakeholder awareness for a **greener future!**



Our Aim



Energy Efficiency

improve and increase the power energy



Improve Performance

Increase the performance and extend the lifespan of the devices



Reduce Carbon Emissions

Reduce greenhouse gas emissions by making power on-site with renewables and other climate-friendly energy resources



Environment Friendly

Eco-friendly – not harmful to the ecosystems or the environment



Problem

- **Aging and performance degradation** of electrical equipment / devices
- **High temperatures** decrease the efficiency of the devices
- **Overheat** engine when output power exceeds 700kW
- Internal **corrosion, or rusting** of the devices due to moisture, weather, dust etc.
- Electricity & heat production created the most emissions and accounted for 46% of the global **increase in emissions.**



Solution



Apply Thermal Coating Paint

Apply it to new parts before they experience harsh operating environments.

- ✓ Initial **service life**
- ✓ Engineered wear , performance characteristics and process **efficiency**
- ✓ Insulate and **mitigate heating**
- ✓ **Protection from corrosion**, oxidation & erosion.
- ✓ **Low cost & high performance**



Early Prevention Maintenance

Regular and routine maintenance of equipment and assets in order to keep them running and prevent any costly unplanned downtime from unexpected equipment failure.

- ✓ **Lowering maintenance** costs
- ✓ Reducing equipment **downtime**
- ✓ **Improving asset lifespan** & efficiency
- ✓ Increasing workplace **safety**

Product Overview

Water-based nanomaterial technology and electron spin resonance technology (ESR), volatile organic compound (VOC) & metal free

Authentic / Unique

Conducted the research and tested, Taiwan Accreditation Foundation (TAF) certified

Tested

Cost more than standard, off-the-shelf paint, but **cost effective in long-term**

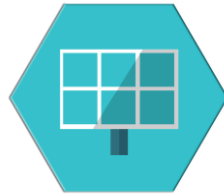
Cost Effective

With a professional finish, you're guaranteed a smooth and breath-taking end result that remain that way for years to come.

Easy to Use



How it helps?



Solar Panel

- ✓ **High efficiency** of heat dissipation;
- ✓ **Improve heat buildup** tolerance on solar cells

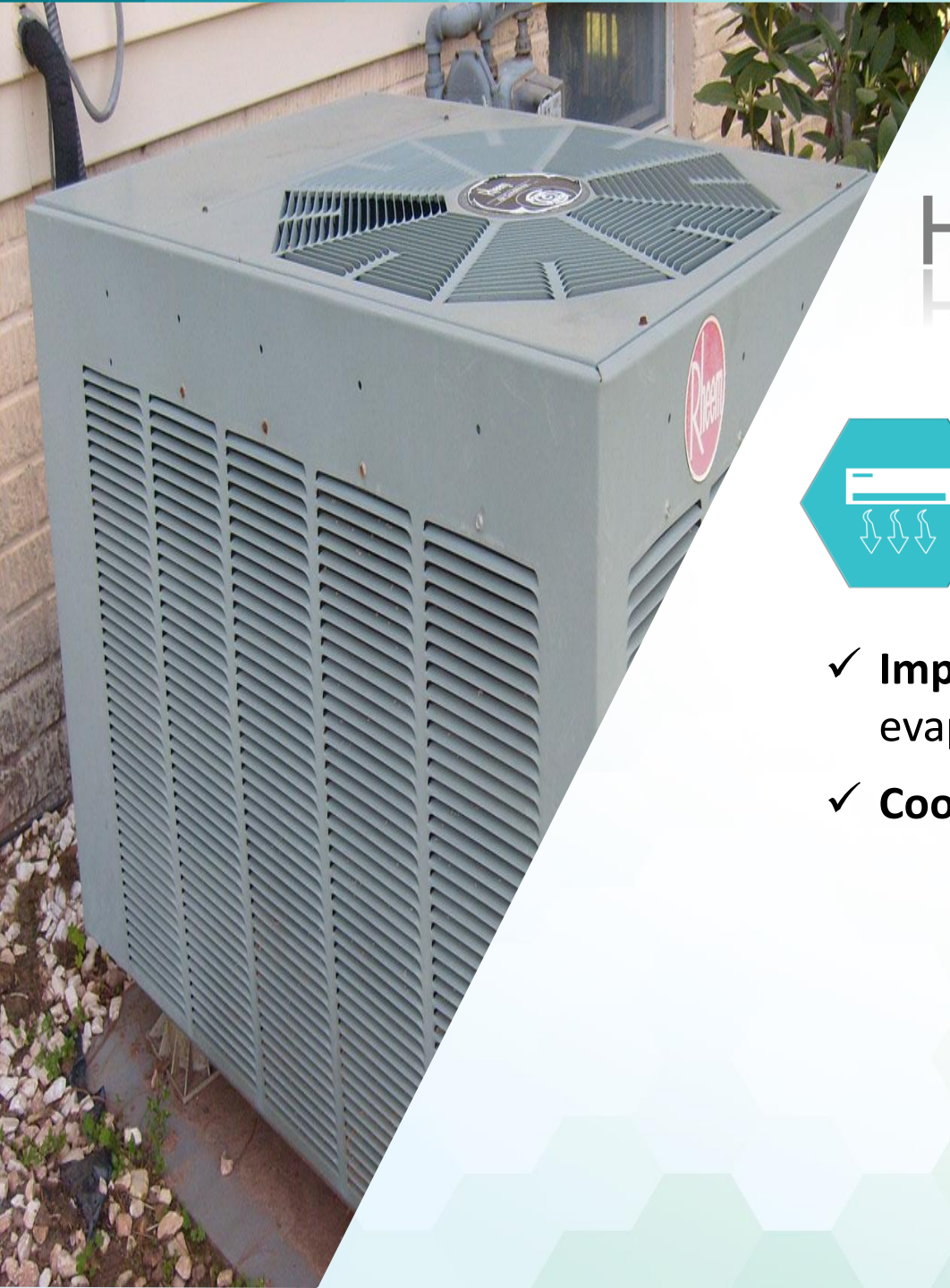
How it helps?



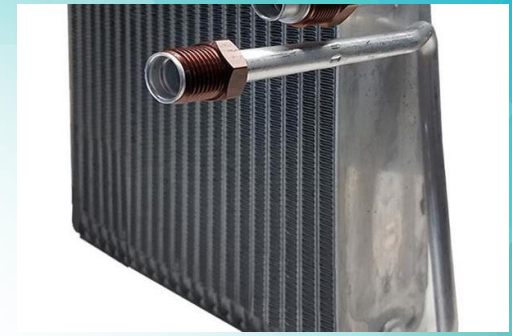
Automobile

- ✓ **Cooling improvement** on any engine (diesel, petrol, electric car etc);
- ✓ **Fuel saver.**

W2ave



How it helps?



Air Conditioner

- ✓ **Improve the heat exchange efficiency** of the evaporator / condenser;
- ✓ **Cooling capacity & COP** value improved.



How it helps?

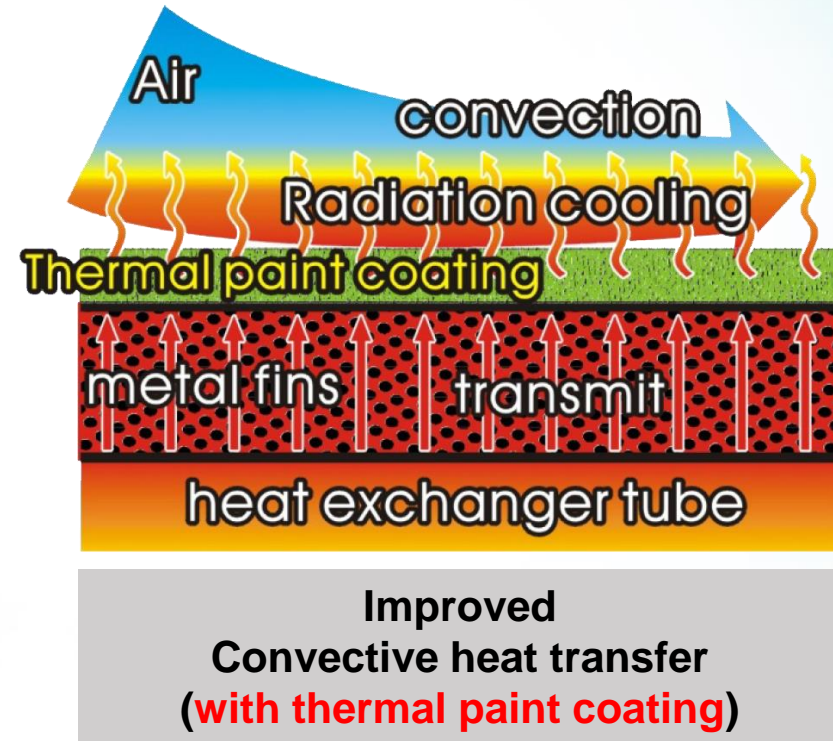
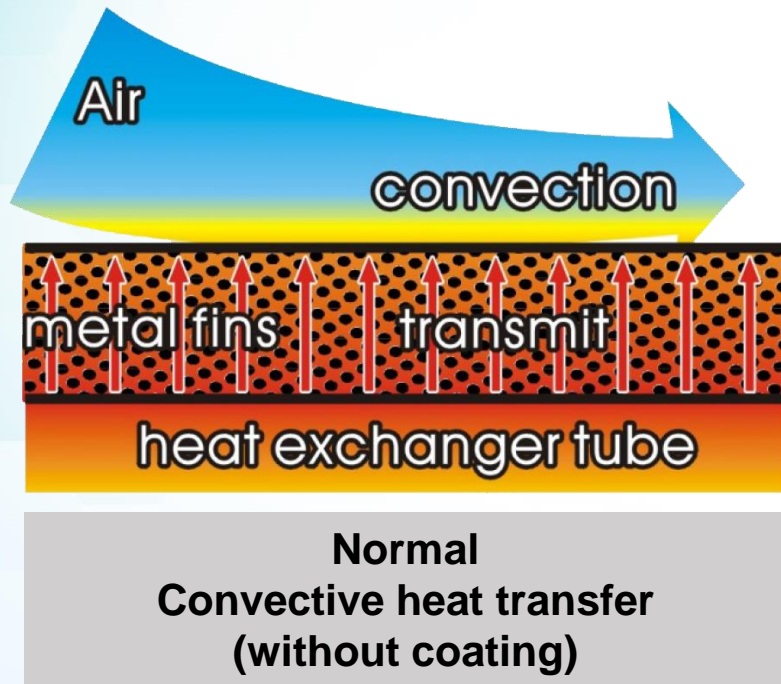


Others electrical
appliances

- ✓ Also applicable to: refrigeration condensers / evaporators, high-temperature pipelines, motor metal casings, engine radiator, computer heat cooling fins, power generators, turbo intercoolers, oil coolers, oil pans etc

W2ave

How it helps?



The Team Behind the Invention

The innovative technology leads by **Unilight Energy Social Enterprise Co., LTD**, founded in June 2015 by Mr. Ching Chuan Lin from **Taiwan** who are fully dedicated to technology research and development.

Aim to provide feasible improvement solutions for energy conservation & carbon reduction and plan to extend to power generation equipment, physical agriculture, environmental ecology, and healthy living.





www.wsavertechnology.com



THANK YOU