



HVAC energy efficiency & continuous thermal optimization

SERVICES AVAILABLE

- FORENSIC ENGINEERING

These tools dramatically increase visibility and understanding of usage and behavior at a deeper level using real time data capture. Compared to traditional systems, this is like moving from an X-Ray machine to an MRI in terms of visibility at a forensic level within HVACR system.

- CONTINUOUS THERMAL OPTIMIZATION

As operational issues interfere with optimal settings and performance, our IoT analytic platform will monitor mechanical thermal environmental systems, 24/7/365 gathering data to detect any change in thermal performance deficiencies.

- NMR NANO-TECHNOLOGY

We have proprietary products (NMR® fluids) that work on coil surfaces to remove all contaminants to keep your heat exchangers transferring energy at the expected rates.

HVAC ENERGY EFFICIENCY TECHNOLOGY SOLUTION & CONTINUOUS THERMAL OPTIMIZATION™ THAT WORKS FOR YOUR BUILDING.

THE US DEPARTMENT OF ENERGY STATED THAT 70% OF ALL HVAC EQUIPMENT IN THE U.S. IS OPERATING OFF OF ITS INITIAL DESIGN EFFICIENCY. THE VAST MAJORITY OF THESE ISSUES ARE BASED IN THERMAL INEFFICIENCY. Our Continuous Thermal Optimization (CTO) forensic engineering thermal optimization solution is based on identifying all the issues causing thermal inefficiencies in HVAC/R systems. These issues are typically overlooked by traditional building management systems, HVAC/R service companies, and equipment operators. Our comprehensive CTO program offers the most current Internet of Things (IoT) based Virtual Intelligence Platform (VIP) sensor kits, CTO analytical software, forensic engineering analysis, and Nano technology products that are completely unique in the market. Thermal inefficiency within the HVAC/R market is responsible for the most energy waste and often the least reviewed aspect of HVAC/R performance. Identifying the issues and developing a thermal optimization plan to address these deficiencies allows us to maximize every watt used to thermally transfer every BTU.



Millennium Energy
Consultants