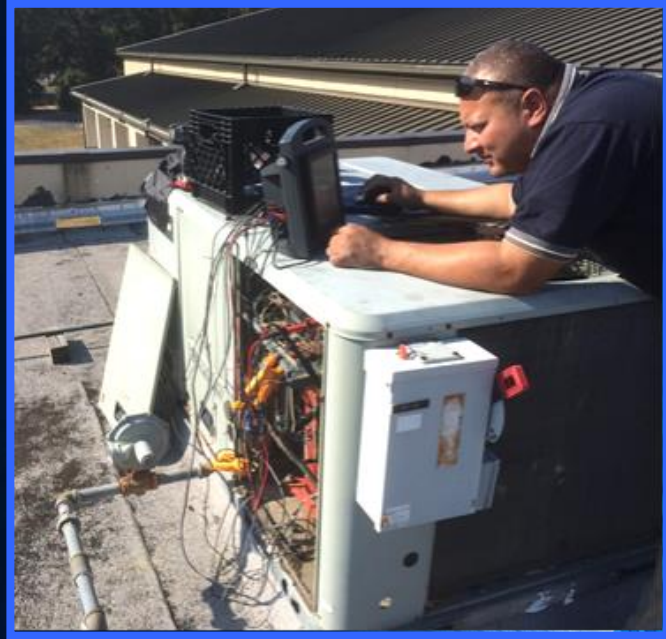
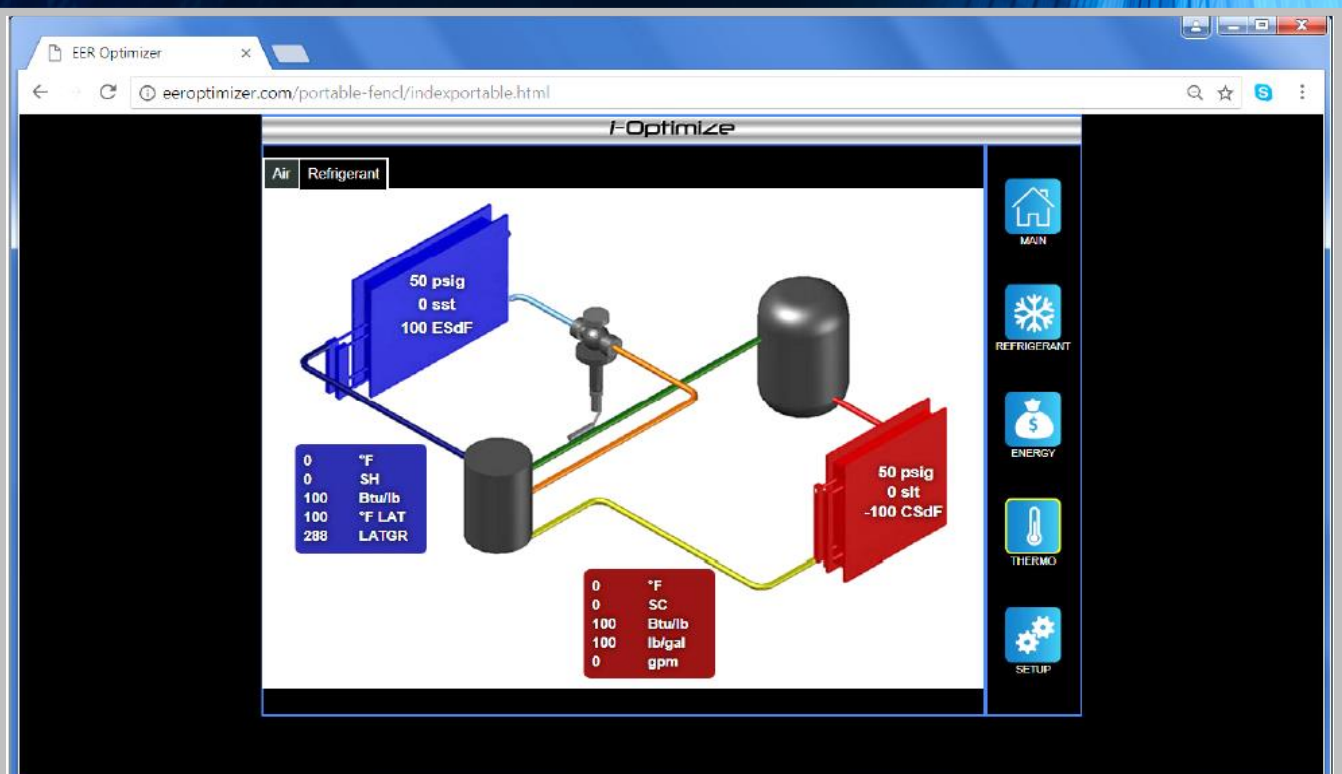


i-Optimize[®]



The portable i-Optimize system enables a technician to take comprehensive AC efficiency measurements, evaluate system performance, diagnose faults, and upload readings. It has 12 sensors and a CPU consisting of powerful cloud-linked embedded computers. This advanced technology was demonstrated at three DoD installations on 30 package AC units saving \$57k annually. The i-Optimize unit is internet connected for remote technician assistance when needed. All readings are stored on a cloud server, where historical trends are analyzed for reporting & documentation.



A field technician can share the portable i-Optimize[™] screen with a remote subject matter expert to obtain assistance with trouble shooting and performance evaluation. The screen will connect from a web browser on any internet connected device.

Why use i-Optimize?



i-Optimize is designed for HVAC technicians' tests of the energy efficiency and cooling performance level of any DX system. This highly advanced tool incorporates features developed to support PBM* including the following capabilities:

1. Extensive fault detection & diagnostics (FDD) to spot issues that inexperienced technicians might not perceive as being problematic, as well as faults too subtle to be noticed by eye alone. The capability helps avoid future occupant complaints, component failures and reactive service calls.
2. Internet connectivity to support online technical support between highly experienced technicians or engineers, and field technicians, including screen sharing and data streaming.
3. Cloud database to support detailed documentation of the effect of service actions, degradation of unit performance, M&V, and comparative analysis of energy efficiency at the time of each service call.

* Performance-based Maintenance

Energy Savings from *i-Optimize* at CCAFS

Average 22% Savings - \$26,573 per year

