

Nominee: En-Technologies Ltd

Nomination title: **intelligent Technology Energy Emulator (iTEE)**

iTEE is a server energy emulator, designed to prove the capacity and resilience of your data facility before you fill it with your (or your customer's) expensive servers.

Designed to accurately mimic the heat output of IT servers, iTEE fits straight into any 19" rack system.

The absorbed power (heat load) and either the airflow volume, or the required temperature rise from inlet to outlet can be selected and iTEE will maintain them accurately and automatically.

No more guesswork about absorbed power or airflow or temperature differentials, iTEE is packed with sensors that feed back all the data needed to maintain the conditions that you request. Not only that but, once the iTEES are installed, you don't need to go near them to set them up! Connected via the BACnet communication protocol, each iTEE can be set to work from a laptop anywhere in the world. The software allows you to programme tests (with different heat loads, airflows etc) and to set real time itineraries so that tests automatically start and finish when you choose. All the data that iTEE gathers can be viewed in real time over the same remote interface, and it is also logged for further review after the tests are complete.

Each iTEE can emulate a heat load of 3kW with temperature differentials of between eight and fourteen degrees.

Each iTEE consumes just 6 "U" of rack space.

The iTEE is fitted as standard with twin power inlets and an integral auto changeover facility. This means that, as well as testing your airflow/cooling design, you can load test your back-up power supply facilities as well.

iTEE units can materially improve the accuracy, rigour and reliability server room facilities testing, and can significantly reduce the time taken to perform such tests.

iTEE units are available for hire through environmental server simulation specialists

Why nominee should win

- Represents a step-change in the design of server emulators
- Improves accuracy and reliability of energy testing
- Reduces the time and cost associated with testing
- Empowers end-users to design and plan for maximum efficiency and resilience

