DataTank™ Container Unit 1.4MW
Modular Immersion Cooling System for 3M™ Novec™ Engineered Fluids

Modular Containerized Data Center with up to 1.4MW
+ Complete turnkey solution, including power distribution and cooling
+ Lowest PUE guaranteed, even in demanding climates
+ Lowest build cost per kW compared to any other solution

Technical Features
+ For 6 DataTank™ Immersion Cooling Racks of 200-240kW each
+ Removes mechanical overhead on facility and device level
+ Fully redundant cooling system, N+1
+ Fully automated system, including monitoring (HTTP, SNMP, Modbus)
+ No CRACs, air handlers or hot/cold aisle needed

Quality & Options
+ Integrated security and remote HD camera monitoring
+ Thermal insulation and various build-out options
+ Manufactured in the USA with American and German parts
+ OEM or co-branding options available
+ Patent pending technology
DataTank™ 240kW Flat Rack
Modular Immersion Cooling System for 3M™ Novec™ Engineered Fluids

Modular Immersion Cooling Tanks for 200-240kW
+ Lowest PUE guaranteed, even in demanding climates
+ Lowest build cost per kW compared to any other solution
+ Also available for installation at traditional facilities

Technical Specification
+ Universal 19-Inch design, fits any hardware (1U, 1.5U, etc)
+ Built for HPC, including GPU, CPU or ASIC based systems
+ Up to 500kW per tank with high performance condenser option
+ Advanced hot swap condenser options
+ Integrated vent keeps fluid and vapor inside and dirt/dust outside
+ OpenRack or custom size available on request
+ Integrated 800 Amp 3-phase power feed to each tank
+ No raised floor or high ceiling requirement

Quality & Standards
+ Designed for minimized vapor or fluid losses and minimized fluid usage
+ Manufactured in the USA with American and German parts
DataTank™ Advantages & Benefits
The value of Passive 2-Phase Immersion Cooling in a Modular Design

**Density**
Removes thermal bottlenecks from device and facility level. No thermal overhead for hardware designers.

**Efficiency**
Lowest PUE possible, even without free cooling. Hardware runs cooler and faster without thermal throttling.

**Simplicity**
Hardware is reduced to chips on boards, does not require fans, water blocks or pumps. Fluid is all that’s needed.

**Scalability**
Same simple infrastructure no matter if you run 20kW, 200kW or 500kW per rack.

*3M™ Novec™ Engineered Fluids*
- Environmentally friendly, non-toxic and non-flammable
- Various fluids and boiling points (34°C, 49°, 56°C, etc)
- Fluids are odorless and not oily (hardware comes out dry)
- Fluids are non-conductive and inert, useful life of 30 years
- Inherent fire protection

*PUE 1.01*
In Hot & Humid Hong Kong

Captures Heat at Source
99% Energy Saved
Conserves Water
Low GWP
Reduces CO2 Emissions
Reduces e-waste
Zero Ozone Depletion
Winner of
Best Green ICT Award 2014

Most Efficient
Data Center
~ PUE 1.01 ~