

MICRO DATA CENTER SOLUTIONS

Self-contained, cost effective and energy efficient: Rack-level data center facilities for new, existing, secondary, and 'on-the-go' environments. Choose from a vast array of options from trusted partner Schneider Electric.

QED National's experts take the time to understand your business needs in order to devise the best possible solution for your organization - from choosing the appropriate model through to performing all installation and implementation services.

WHAT IS A 'SMART BUNKER'?

Imagine a miniature, self-contained data center facility that eliminates all unnecessary aspects of a traditional, brick and mortar data center (costly infrastructure, excessive energy consumption, inefficient HVAC units, big iron etc.) while retaining all of the necessary features (cooling ability, raised floor, high density capacity, hot & cold aisles, full redundancy etc.).

The Smart Bunker is a rack-sized data center facility that fully replicates all beneficial features and functionalities of a traditional data center in a physically condensed, 'hardened', and exceptionally efficient environment. It is capable of supporting virtually all types of vendor neutral, rack-mountable Technology, Communications and Audio / Visual equipment. Whether you're interested in an 'on-the-go', wheeled solution or a skid-based, stationary platform, our solution is tailored to fit your exact requirements.



Schneider
Electric

FACILITY FEATURES

- Internal cooling system supports up to 20kW of high density equipment heat loads
- Readily mobile, wheel-based option or skid-based, re-locative solution
- 'Hardened' and highly secure exterior shell - NEMA rated protection
- Inner frame supports 23-46U, industry standard 19' racks (adjustable in depth)
- 220V or 440V power supply
- Options of Fire Detection & Extinguishing, Fire-Proofing, Physical Security Control, Antiseismic Absorbtion, Environmental Monitoring, Uninterrupted Power Supply (UPS), Sound Dampening etc.

KEY BENEFITS

- Significant capital savings on new data center builds or retrofits
- Notably reduced energy costs
- Extensive operational savings
- Large reduction of overall data center footprint

QED NATIONAL'S SOLUTION

Our experts customize each solution for your unique business case - from evaluating which model best suits your needs, to the complete delivery and all required installation and implementation services for your new or already existing equipment. The Smart Bunker offers a truly efficient and powerful solution.



Right on the mark.

QED National. Problem Solved.

DATA CENTER BUILD-OUT, EXPANSION, OR CONSOLIDATION

Flexibility / Scalability

- Supports nearly all high density, rack-mountable equipment
- Add concentrated compute, storage or networking capacity without building or retrofitting a facility
- 'Pay as you grow' modularity allows you to add to your environment as you grow
- Easily portable – both wheel-base or skid platform (via pallet jack)
- Indoor/outdoor compatible

Data Center Build-Out / Expansion

- 'Data Center in a Box' – eliminates need for new construction (building, room, closet)
- Significant capital savings in comparison to new data center build-outs
- Save substantially on energy related costs
- Greatly reduces carbon emissions footprint

Data Center Consolidation

- Consolidate your IT Infrastructure
- Physically condense equipment - no "hot and cold" aisles necessary
- Save floor space for much needed office space



COST EFFECTIVE AND ENERGY EFFICIENT

Cost Effective / Energy Efficient

- Significant operational savings
- Maintains necessary aspects and eliminates wasteful aspects of traditional data centers
- Dramatic capital, cooling and energy / power savings
- Eliminates power consumption concerns and cooling issues
- Recover a substantial amount of usable floor space
- Rapid deployable – can be ready in weeks versus the traditional months/years



MOBILE / HIGH AVAILABILITY

Business Continuity / Disaster Recovery

- Ruggedized; disaster tolerant
- 'Hardened' infrastructure: highly secure, NEMA rated – options of waterproof, watertight & fireproof solution
- Supports remote monitoring
- Active fire suppression system

Remote Command Center

- Set up temporary compute locations – preconfigured to allow 'plug and play'
- Antiseismic absorption system protects equipment from shock and vibration
- Transition easily between 'on-the-move' and 'stand-still' operation with the wheel-based model
- Can support a 100% private cloud environment



QED National. Problem Solved.

LEARN MORE ABOUT THE SMART BUNKER

Call QED National at (212) 481-6868 or email info@qednational.com for more information, including case studies and spec sheets, or to schedule a complimentary consultation.