Delivering rapid deployment of a complete modular data center to support your unique business objectives

IBM IT Facilities Assessment, Design and Construction Services – portable modular data center

Positioning you to rapidly respond to your ever changing data processing demand

Many companies in a wide range of industries are discovering that to meet the demand of rapidly growing IT infrastructure needs, they must quickly expand their data processing capabilities. In a global marketplace, organizations are also seeing the need for high-density, cost- and energy-efficient data centers that can be rapidly and easily installed in various locations around the world to more effectively support remote operations. Or they may simply require quick local deployment of additional data center environments to more effectively meet increasing data-processing needs. To help position companies for future growth and provide greater flexibility and cost-efficiency, these data centers need to be built on open IT platforms, support high density computing, be scalable and be able to quickly adapt to evolving technology.

IBM IT Facilities Assessment Design and Construction Services – portable modular data center uses a flexible and highly deployable design that provides an environmentally isolated and physically protected, fully functional data center—in virtually any location. The portable modular data center is a compact, IT vendor-neutral, high-density data center solution that enables you to easily create or expand your existing data center floor space without major construction or building retrofit. And by implementing an energy-efficient, compact data center, you can potentially reduce your operating costs—and carbon footprint—while making better use of space and equipment.

Highlights

■ **Helps to easily expand your existing data-processing capability in remote or temporary environments**

■ **Allows for rapid deployment of a complete turnkey data center solution in virtually any global location**

■ **Enables improved performance, higher density computing and greater cost-efficiency**
Expanding your traditional facility with less disruption
To thrive, your organization needs more compute-processing power, but you can’t afford any downtime or interruption to your business operations. This solution, with its “plug-and-play” capabilities, fast transport time and quick-to-deploy modular design, enables IBM technical experts to help quickly and seamlessly install the portable modular data center, either separately from your existing facility or as a local, compact and complete temporary data center—helping you to make better use of your real estate and delivering extra compute-processing power with minimal building construction or retrofit.

Gaining rapid deployment for remote locations or temporary applications
Because the portable modular data center is highly configurable, IBM technical experts can help you design and implement a solution to quickly and smoothly deploy significant data processing or telecommunications power at your remote operations or temporary installation, regardless of location. This highly portable solution is delivered in stackable modular containers that can be quickly transported and deployed, so your organization is able to rapidly implement data-processing capability wherever it’s needed. With more flexibility and greater mobility you are able to provide more robust support for your operations—and your customers—around the world.

Implementing better performance in a robust, physically protected facility
With high-density computing capability, you are able to deliver more compute-processing power to more effectively support your remote or temporary data processing operations. Pre-tested data center infrastructure equipment that supports any rack-mount IT technology, along with a uniquely insulated container providing superior humidity and temperature control, makes the portable modular data center highly reliable and physically and environmentally secure, able to withstand harsh environmental conditions. The facility is also designed for robust fire detection and suppression and protects against electromagnetic interference (EMI) and radio frequency interference (RFI). A redundant infrastructure enables you to experience higher availability, improving service levels. Plus, our innovative cooling technologies can help significantly reduce energy costs and lower the carbon footprint to provide a cost- and energy-efficient data center solution appropriate for almost anywhere in the world.

Delivering a comprehensive solution for your data center design needs
IBM offers breadth and depth of experience in designing, installing and building customized or standardized data centers based on your unique business needs, in sizes ranging from small and compact to as large as you need to grow. IBM IT Facilities Assessment Design and Construction Services – portable modular data center is part of the IBM Data Center Family™ of solutions and provides comprehensive
design and build services combined with a standardized, modular approach to enable faster time to deployment that includes:

- **Portable modular data center.**
  Providing for remote and temporary data centers, this compact, fully functional high-density data center enables you to more easily deploy a complete data center at virtually any location around the world.

- **Enterprise modular data center.** Using energy-efficient technology within 5,000 square foot increments up to 20,000 square feet or greater, this robust solution aligns your IT investment with the growth of your business, allowing you to invest in data center capability as you grow—helping to reduce your total operating expenses.

- **Scalable modular data center.**
  Deploying within 8 to 12 weeks, this complete data center of 500 to 2,500 square feet uses standard components to help you achieve dramatic improvement in energy efficiency for significantly less cost than traditional data centers.

- **High density zone.** Using a nondisruptive implementation to support high-density devices in existing data centers, this high density solution provides up to 35 percent less cost than a site retrofit.

**Why IBM?**

With experience in building more than 30 million square feet of raised-floor data centers for organizations worldwide, IBM is a leading provider of data center design, construction, relocation and optimization services. Through services that encompass every aspect of establishing and running data centers—from assessment and strategy to design and construction—IBM currently manages more than 8 million square feet in 400 IBM global data centers. Our structured methodology, intellectual capital and global reach enable us to deliver robust and comprehensive data center solutions to your organization. Combined with our strong ecosystem of data center technology partners, including strategic relationships with industry-leading power and cooling equipment vendors, IBM offers exceptional insight into industry trends and evolving data center energy and technology needs—helping us to deliver a comprehensive, robust data center solution that aligns with—and empowers you to achieve—your business objectives.
For more information
To learn more about IBM IT Facilities
Assessment, Design and Construction
Services – portable modular data
center, please contact
Paul A Rodgers
Workplace Services & DataCenter Service Sales Leader MEA
Mobile: +971 (0)50 6500 396
PaulRodgers@ae.ibm.com
or visit ibm.com/services/siteandfacilities