BRUNS-PAK
DATA CENTER "HYBRID" SOLUTIONS

IN BRIEF

Experience

➢ More than **42 years** designing, engineering, constructing, and commissioning data centers, advanced computing and technology facilities.

➢ More than 6,000 projects in higher education, healthcare, banking/financial, industrial, pharmaceutical, public sector, and retail with a **98% repeat customer base**.

➢ Business partnerships with Dell, Accenture, IBM, The Gartner Group, Bechtel, Verizon Business, Sirius Computer Solutions, DataSpan, Whitman, ComNet, Anixter, Edge Solutions, Duke Energy, Siemon, Winbourne Consulting, Fluor, Deloitte (Collaborations), SGI, Sine Nomine, and Cloudify.

➢ Full-service staff of licensed civil, electrical, mechanical engineers, and architects as well as construction project managers, IT consultants, RCDD's, systems specialists, Revit and CADD technicians, and other skilled professionals.

PHASE I - Consulting Services

Thorough and comprehensive, resulting in a **plan that provides options and technical alternatives** to meet your timeframes, philosophies, short-term and long-term strategic objectives, as well as budgetary guidelines.

- Data Center "Hybrid" Assessments
- Facility Evaluations
- Reliability Studies
- Single Point of Failure Analysis
- Data Center Facility Audits
- DR Facility Requirement Studies
- LEED Certification Analysis
- Colo/Cloud Analysis
- Container/Pod Studies
- Cloud Impact

- Relocation Evaluations
- Merger/Consolidation Studies
- Space Planning
- Computer Equipment Planning
- Requirements Analysis
- Preliminary Program Studies
- IT/Data Center Strategic Planning
- Co-location Impact Planning
- Cybersecurity
- Short Circuit Coordination and Arc Flash Studies

- Site Evaluation, Selection, & Planning
- Network Analysis/Wi-Fi Analysis
- Total Cost of Ownership Studies
- Virtualization Integration
- Edge Computing
- Thermal Air Flow Analysis
- Energy Efficiency Audits
- IT Business Impact Analysis
- Site Assessment Evaluations
- Carbon Footprint
- Green Initiatives

PHASE II - Design/Engineering/Planning Services

Drawings and specifications that reflect **creative, state-of-the-art design solutions.**

- Architectural Design
- Site/Civil Engineering
- Communications Engineering
- Electrical Engineering
- Mechanical/HVAC Engineering
- Structural Engineering
- BMS/DCIM Modeling

- Cloud Requirements
- Disaster Recovery Planning
- Fire Protection Engineering
- Raised Floor Engineering
- Security Design
- Voice and Data Integration
- Design for Sustainability

- 3-D Revit Modeling
- Network
- Design/Cybersecurity
- Co-location Requirements
- Compute Migration Planning
- Wireless
- Low Voltage / AV
- Mass Notification Systems

PHASE III – Construction/Commissioning/Deployment Services

A fully integrated approach to the creation of technical facilities that gives you a **single source of responsibility from start to finish**. This unique methodology eliminates traditional construction delays, enhances responsiveness to design modifications, and guarantees necessary technical expertise - throughout the project. We also offer options for corporations looking to reduce overhead by **outsourcing construction and maintenance responsibilities**.

- Construction Management
- Construction Administration
- General Contracting
- Cloud Deployment
- Application/Hardware Migration

- Project Management
- Project Planning & Scheduling
- Turnkey Planning, Implementation
- Co-location Deployment
- Commissioning
- Electrical Wire & Cable

- BIM Modeling
- Financing
- Network Construction
- Electronic Wire & Cable
- Voice & Data Cable