



We design integrated building systems for healthcare, higher education, and research environments that enhance performance, safety, and user experience. Our approach combines infrastructure, clinical and digital systems, and evidence-based design to translate conceptual intent into functional, code-compliant spaces from planning through occupancy.

For **healthcare** facilities, we design systems to enhance patient care, streamline operations, improve safety, and create patient-friendly healing environments. Our effective technology design integrates building network infrastructure, building support systems, medical equipment interfaces, and clinical communications systems to achieve client's goals. During the design, we take into consideration infection control needs, patient and staff experience, facilities requirements, client's standards, and diverse users' feedback while ensuring compliance with healthcare guidelines and building codes.

For **higher education** and **research** facilities, we provide solutions for enhancing learning, research, and campus operations. With focus on integration of digital tools and infrastructure including the audio-visual systems, BSA team of experts ensures that design supports interactive teaching, remote learning, data-driven decision-making, and seamless communication among students, faculty, and staff.

Our approach takes conceptual ideas through meaningful evidence-based systems design to project construction and occupancy of spaces.

TECHNOLOGY SYSTEMS

- Structured cabling systems
- Audio-visual systems
- Nurse call systems
- Access control systems
- Intercommunication systems
- Video surveillance systems
- Overhead paging and sound masking systems

TECHNOLOGY SERVICES

- Existing systems evaluation
- New systems master planning
- Owner's standards development
- Construction documents preparation
- Vendor selection and evaluation
- Construction administration
- Post-occupancy systems evaluation
- Master planning – new and existing systems

Discover more at bsadesign.com/engineering