Integrating Building Systems

OVERVIEW

Founded in 1986 by a recognized expert in civil and environmental engineering, AEM has grown by way of a network of talented professionals in electrical engineering, mechanical engineering, and civil and environmental engineering. Together, we combine our academic and applied expertise with core AEM data and information technology capabilities in order to advance cutting-edge solutions.

We excel where engineering challenges require information solutions. Our clients benefit from the synergies of engineers, business process professionals, software developers and systems integration specialists working together seamlessly to plan, design and implement innovative solutions needed to meet the challenges faced by businesses today.

AEM engineers manage, design, build, operate, and maintain engineered building systems.

INTEGRATING BUILDING SYSTEMS

Building systems and components are no longer passive and isolated elements. They are now essential building blocks within an IT infrastructure that supports a global enterprise management process for building information systems. This includes building automation technologies, computerized maintenance management systems, and their associated integration with other corporate information assets.

Our professional accreditations provide us the foundation from which to understand the complex nature of integration requirements for monitoring and controlling building systems. We are not just concerned with "connecting the two systems."

Professional Engineering

AEM engineers have years of hands-on experience managing, designing, building, operating, and maintaining engineered building systems. Our team is comprised of leading industry experts and Professional Engineers with the following expertise.
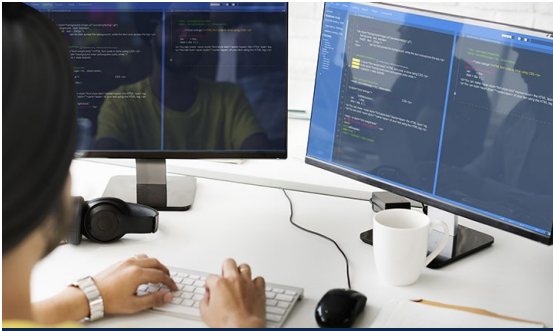
- Commissioning and retro-commissioning of HVAC
- HVAC system analysis, design, and support
- Electric power and conditioning
- Energy analysis and monitoring
- Reliability centered maintenance (RCM)
- Water and wastewater systems
- Development of technical content for training programs

Our clients benefit from the collaboration of AEM engineers, business process professionals, software developers, and systems integration specialists.

aemcorp.com/engineering | 13880 Dulles Corner Lane, Suite 300, Herndon, VA 20171

aem ENGINEERING

Integrating Building Systems

AEM software engineers utilize leading-edge technology and integration approaches.

Software Engineering

AEM software engineers have delivered solutions that have received industry awards for their innovation and business value. We utilize leading-edge technology and integration approaches to systematically address complex information problems.

- J2EE software development
- .NET software development
- Service-oriented architecture (SOA)
- Database/data warehouse systems
- Mobile application platform
- Multimedia production

Experience and Credentials

As an engineering and technology organization, AEM realizes the importance of continuous process improvement in the delivery of its products and services.

AEM meets these objectives through training, education and certification of its management and engineering professionals in a variety of process maturity models.

- Registered Professional Engineers (PE)
- LEED AP
- Certified Commissioning Agents (CxA)
- Certified Facility Managers (CFM)
- Certified Energy Managers (CEM)
- Project Management Professional (PMP)
- CMMI® Level 3 Projects
- Earned Value Management (EVM)
- Certified Tridium Developers

aem ENGINEERING