data, fire, security - design services

SSOE Group can provide a complete architectural and engineering solution

DFS is a division with certified engineers in the following areas:

Data Communications

- Data and communications networks
- Structured cabling and fiber optic distribution
- Testing and termination standards
- Data center, server room, HVAC design and planning
- LAN, MAN, and WAN connectivity
- Cable management
- Telephone – traditional PBX, VoIP, wireless telephone, and personal communications
- Two-way radio – analog, digital, and encrypted
- Cell phone coverage extenders
- Process connectivity
- Broadband wireless distribution
- Interoperability of cell and two-way radio systems
- Private and public WiFi / Wireless LAN

Fire

- Fire alarm and mass notification
- Fire suppression and sprinkler systems
- Gas detection and monitoring
- Fire alarm inspections and assessments

Security

- CCTV video surveillance and video analytics
- Interior and exterior security and door monitoring
- Access control systems
- Asset tracking
- Duress alarm, scream, and shot detection
- Parking
- Virtual fencing
- Security inspections and assessments

Medical

- Nurse call – wired and wireless
- Real time, asset, staff, and patient locating systems – infant security, patient wandering
- Dietary, ordering, food service, and cash register systems
- Health care space planning

Time and Messaging

- Clocks, time and attendance tracking and monitoring
- Digital signage

Sound

- Audio, paging, and intercom systems
- Theater and auditorium A/V systems
- Boardroom and classroom systems
- Video conferencing
- Sound masking

Other

- Dispatch and control room design
- Video walls
- CATV systems
- Interactive classroom systems
- Building automation and energy management systems
- Information kiosks, visual and fixed presentation systems
- Code, insurance, and standard compliance testing and evaluations
- Compliance and threat assessments
- Productivity tracking
- 3D BIM modeling and integration
- On-site construction management and commissioning
- Process monitoring integration
- Emergency electrical power systems
- Permitting of drawings

making clients successful by saving them time, trouble, and money

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Knowledge Management – The New Penicillin

David Gillespie, AIA, LEED AP

Gillespie has nearly 30 years of experience in the design of commercial, industrial, and healthcare projects, including large-scale healthcare facilities. He was the senior project architect for the design of the first all-digital hospital covering more than one million square feet. He is currently a member of American Institute of Architects (AIA) and is a Leadership in Energy and Environmental Design (LEED®) Accredited Professional. Most recently, Gillespie was published in the QST Journal of the ARRL in September, 2011 for his article "Alabama Slammer" on emergency communications during the 2011 multi-state tornado.

Jim Otte, NICET IV, Data / Fire / Security Specialist

Otte has over 25 years of experience in the engineering and design of complex data, fire, security, sound, and telecommunications systems. In addition, he has expertise in commissioning, threat analysis, project and contract management, and quality control review. Otte is certified in many areas including Software House Access Control, Lenel Enterprise Applications, Panasonic Application, NICET Level 4, and EST Platform Training. Last July, Otte presented "UTC – The Future of Access Control in Security" at the UTC Access Control Symposium.

The presentation, "Knowledge Management! – The New Penicillin" will explain how the concept of Knowledge Management can be applied to the design, construction, maintenance, and operations of healthcare facilities. It will also address the impact of information technology on current and future healthcare facilities.

Gillespie and Otte will provide a short overview of the evolution of information technology within the healthcare industry, beginning with the "Information Age." The presentation will focus on the future impact Knowledge Management is expected to have on equipment acquisition strategies, construction management delivery parameters, and the A/E selection process. Attendees will also learn about trends in Knowledge Management over the next 10 years and will come away with insights on improving facility planning.

Gillespie and Otte are scheduled to present at 10:45a.m. on October 24, 2012.

About SSOE Group:

As the 11th largest engineering, architectural, and construction management firm (Building Design + Construction), one of *Inc. Magazine's* fastest growing firms (2012), and one of the "Best AEC Firms to Work For" (Building Design + Construction), SSOE Group focuses on delivering Great Client Service to clients through a full range of EPCM services.

With more than 20 offices around the world, SSOE is known for making its clients successful by saving them time, trouble, and money. Over the company's 60-plus year history, it has earned a reputation for providing quality project solutions to healthcare, food and consumer products, chemical, government, power, automotive, glass, and science and technology industries. SSOE has completed projects in more than 30 countries.

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