Mr. Swann has over 20 years of experience in the areas of management, engineering and construction for a wide array of clients in diverse industries in the USA and abroad. Mr. Swann’s career has included dispute resolution, consultation, forensic analysis, engineering design, construction, commissioning, validation and troubleshooting for complex mechanical, instrumentation, electrical and control systems for high-tech industrial, institutional and commercial clients. Mr. Swann's experience has included system design from concept development through construction, operations troubleshooting, master planning and expert witness consulting. He has served as liaison between the design and construction team during multiple projects and has been responsible for the successful field execution of the design intent, the start-up of critical building systems. He is well versed in the various types of project execution approaches from traditional bid\spec to design\build and has prepared proposals and scope documents for all types of projects.

Mr. Swann has authored several articles on issues in professional practice including the “Standard of Care and Consequential Damages” and is a co-author of the “ASHRAE Survival Guide to Design\Build.” Mr. Swann is active in several Technical Committees within ASHRAE, including TC 1.7-General Business, Management and Legal Education, TC 2.8-Sustainable Design, TC 9.10-Laboratory Systems and TC 9.11-Clean Spaces where he served as Chair for two terms. He is also a member of ISPE and the ABA where he is vice-chair of the Alternative Dispute Resolution Section Committee on Construction.

**LECTURE TOPICS**

- **Design Build – Executing the Project (based on the ASHRAE Design Build Survival Guide)**
  
The growing popularity of design-build provides businesses with a unique opportunity to re-position their firms in a changing marketplace. With these opportunities come unique challenges. For many firms, the D-B role is a new one which results in changes in their ‘custom and practice’ and requires a shift in focus in order to execute projects smoothly. This segment will address some of the ideas, issues and concerns that arise in the D|B execution model that differ from traditional design or construction and differ for the owner as well. Scope, quality, cost and schedule control are key items which will be addressed in the program. The value of 'selling' the service is only maintained if there is value in the delivery as well.

- **Green Design & Sustainability – Un-definable Success in a Defined World**
  
The marketplace has embraced ‘sustainability’ as a value-added feature in design, construction and operations. However, sustainability is not necessarily a ‘line item’ technology which can be added or deleted at will like the substitution of ceramic tile for sheet vinyl. If sustainability is value-added, then it is desirable and as such, would be designated as a term of the project contract. If so, what parameters should be used to measure compliance with that portion of the contract? Given the interrelationship of design, construction and operation on actual building performance, how are these interrelationships factored into the issues of contract compliance? If sustainability does have a value, a failure to achieve ‘it’ in a completed project should diminish the project value relative to the contract. A loss of value relative to the contract could establish grounds for compensation for that loss. How is that value to be measured and how is the loss of same to be compensated for? The program will identify and analyze the typical issues which impact the achievement of sustainable design and operation and provide a framework in which to assess value for those issues.

- "Can't We All Just Get Along?" – Keeping Your Eye on the Prize Despite Getting Poked in It (Alternative Dispute Resolution in Construction)
  
  Alternative Dispute Resolution (ADR) has a long history of use in labor, workplace and construction disputes. In fact, the construction industry is often seen as the lead innovator in the use of ADR techniques to address and resolve disputes in on-going projects while keeping the project moving forward. ADR is a broad subject. ADR is applied in all types of business and personal negotiations - from employment disputes to business mediations to neighborhood groups to international refugee crises. These situations may arise out of an impromptu confluence of circumstance or have a formal pathway for resolution defined by the contract. The program will touch upon the core principles and practices of Alternative Dispute Resolution (ADR) with a special emphasis on contractual situations, such as construction, contract manufacturing and service outsourcing.

- **Design Build for Green Buildings – Integrated Delivery of an Integrated Idea**
  
  Green design and construction is leading the charge of new design approaches in almost every section of the building industry. The successful execution of a green building project, or more specifically a LEED certified project, entails a more integrated approach throughout both the design and construction processes.
A key component of green design is the merging of the architectural and engineering design effort to yield a more holistic design. The better the team coordination, the greater the opportunities to deliver a high-performance building. Another movement in the industry is in project delivery. Design\build and partnering have become much more commonplace project execution techniques even in public sector projects. Design\build seeks to gain time and cost efficiencies by merging the lines between design and construction. Given that both philosophies – green buildings and design\build – have the integration of services at their core, it is only natural that the two would also merge in the delivery of projects. This program will highlight some of the key ideas, elements and issues that are inherent in both approaches and where and how they interface on a project.

► **Jedi Mind Tricks for IPD (First, you’ve got to want to…) – NEW!**

Integrated Project Delivery is a hot topic in the design and construction arena today but there is still a bit of confusion about just what that means and how you get it. Some camps will argue that “going green” will give you IPD; some will argue that BIM is the key to IPD too. Both are helpful but IPD isn’t a destination or a means of transportation – it’s a road. IPD is at its core a mindset about how to think about a project and how to execute those thoughts. This program focuses on some exercises, processes and tools which can help you move along the path that IPD offers. Of course, no tool can guarantee the craft of its users, but good tools can make a project easier.

► **Connecting Green Building Outcomes to Enterprise Sustainability Programs – NEW!**

Green, or high performance have become a target norm for almost any sizeable capital for most “world class” business enterprises. The reasons for this focus can vary from broad based concerns about the ‘public persona’, or PR to a more laser like focus on bottom line ( $$ & £ $$) savings direct to the balance sheet. However, it is sometimes difficult to translate what a new “bricks and mortar” office building or plant really means to overall corporate value and sustainability. Energy and resource savings can be reported cleanly on the bottom line, but there are other impacts which may not be readily captured and recorded. Properly assessing and capturing the impacts of green buildings in procurement, execution and operations on enterprise-wide sustainability metrics is essential to successfully measuring and monitoring a program’s real performance and value. This program will identify multiple impacts of green buildings on overall sustainability and how those impacts relate to key performance indicators as part of an overall enterprise sustainability program.