

## CONSIDER JOINING THE INDUSTRY'S LEADING BUILDING POWER STANDARDS AND TRADE ORGANIZATION...

If your company is focused on the commercial and/or residential building industry, consider joining the EMerge Alliance today as a new era in power sourcing, distribution and management in buildings is underway. The EMerge Alliance promotes better and more practical ways of getting the most out of both AC and DC power systems.

The Alliance is a nonprofit open industry association established to promote the adoption of safe, low-voltage hybrid ac/dc microgrids and other evolving power collection and distribution systems used in buildings. The Alliance develops and maintains open standards that integrate power sources, wiring infrastructures, controls and a wide variety of load devices, such as lighting, HVAC, appliances, IT gear and the connected Internet of Things in a common platform that adds flexibility, resiliency, economy, safety and sustainability for new and existing buildings. EMerge is focused on the building side of the utility meter. With a keen eye on renewable and site based distributed energy sources, the Alliance is helping prepare buildings for new energy platforms as part of an evolving new energy network, or Enernet.

## **EMerge Advantages:**

**Flexible** Greater flexibility by a using low voltage plug and play topology whenever possible makes installation and reconfiguring of lighting, sensors and other IoT equipment in the building space easy without rewiring.

**Resilient** Use of a primary DC bus in a microgrid configuration eliminates the need to synchronize multiple power sources and storage devices, which in turn makes the whole system inherently more resilient.

**Economical** While individual dc devices may carry some premium, installed costs are extremely competitive, and even more so with increased system feature complexity. Coupled with lower reconfiguration, maintenance costs and operating cost, total cost of ownership is almost always lower than with traditional systems.

Safe One of the best kept secrets of using low voltage dc is just how safe it is. One of the myths about ac is how safe it is. Recent testing shows just the opposite. DC is more likely to cause a recoil reaction at high voltages and you won't even feel it at touch-safe levels. The most common cause of death from electrocution is heart fibrillation – an AC related causation. Ever notice that all defibrillators use dc power to restart your heart?

**Efficient** Eliminating unnecessary power conversion in a system can save considerable electricity. Since most renewable sources and storage is natively dc and most modern electronic devices and appliances are too, switch back and forth from dc to ac to dc wastes energy.

**Reliable** In addition to being wasteful, power conversion, synchronization and filtering adds complexity to the power electronics in a tradition system and its connected devices and appliances. Keeping things simple means making them more reliable tool

**Sustainable** Put it all together – flexibility, resiliency, economical, safe, efficient and reliable – and you have the core definition of sustainability.

## Why Join the Alliance:

**Green Leadership** Be first to market with products and services that have new and innovative green benefits. Improve and promote the environmental role of your products and services by having them be a part of this unique hybrid power model.

**Build Brand Awareness** Enjoy the promotional benefits of being constantly listed and promoted as part of the EMerge Alliance standards effort. Participate in EMerge sponsored events and tradeshows to build market awareness of your unique products in this technology domain. Have your registered products listed on EMerge's high traffic web site for qualified application and interoperability in dc and hybrid ac/dc systems.

Influence Standards Directly Engage and influence the standards development process directly to ensure your company's business interests are heard and fairly represented. Qualify to initiate new or revision proposals in relevant EMerge standards. Get full and unlimited free use of the standards as part of your qualified membership.

Assure Product Interoperability Be eligible to have your products evaluated and listed as "EMerge Registered." This unique qualification allows potential designers and specifiers to know your products are compatible and can be interfaced with other registered products. This clear differentiation keeps product value points stable and defends against indiscriminate substitution of un-listed copycats.

**Network with Industry Leaders** Network with a broad cross-section of industry, academia, and government thought leaders focused on the field of ac/dc power systems.

Assure Personal & Professional Growth Stay current on trends, activities, new legislation, new and revised codes and interpretations that affect the use of dc power. Receive discounts on qualified EMerge sponsored events. Grow personally and professionally while enjoying being a part of this trailblazing and exciting work!

## WHO IS PART OF THE EMERGE ALLIANCE?

The EMerge Alliance has over 100 members representing a wide variety of industry stakeholders, including:

Equipment Manufacturers • Architecture/Design Firms • Electrical and Mechanical Engineering Firms

Sustainability & Energy Consultants • Energy Providers/Utilities • Building Owners/Developers/Contractors

Related Trade Organizations • Code & Regulatory Officials • Government • Academics

EMerge Membership Benefits	
The EMerge Alliance has created a variety of membership opportunities to create a robust ecosystem of organizations that influence the residential & commercial building arena.	
Governing Member: Founding and/or Board Members who provide significant resources to establish and grow the Alliance Rights: Full voting and membership rights, budget oversight, strategic planning, committee creation and chair appointments, final standards approval. Priority member promotion and media participation.	Annual Membership Dues: \$25,000 Regional; \$50,000 Global Requires approval by EMerge Board of Directors
Participating Member: Key suppliers of product and services in the domains covered by EMerge Standards  Rights: Technical committee voting & full participation in committee proceedings, with a direct role in development of standards. Total access to all draft & final standards; Registered product listings and events/promotional activity participation in website, tradeshows and conferences; Committee Chair eligibility. Member promotion.	Annual Membership Dues: \$1,000 - \$10,000 *
General Member: Organizations wanting to use existing Standards  Rights: Access to completed standards provided prior to public availability; attend general meetings; registration and web listing of products. Member promotion.	Annual Membership Dues: \$750 - \$5,000 *
Corresponding Member: Non-product manufacturers (including consultants/design and construction firms)  Rights: voice in development of Standards and access to all draft and completed Standards; proposal and comment but no voting rights; Member promotion.	Annual Membership Dues: \$500 - \$2,000 *
Supporting Member: All others wishing to support and promote the EMerge platform  Rights: No voting rights, may attend general meetings as determined by Board; marketing recognition for your support of the Alliance mission. Organization Logo display.	Annual Membership Dues: \$350
Liaison Member: Designed for other standards organizations, government, academic, and not-for-profit organizations to facilitate mutual development, cooperation and integration of the EMerge Alliance standards.	Annual Membership Dues: No Charge
<b>Rights:</b> No voting rights; may attend meetings/serve on selected panels, officially listed as part of the Alliance.	

<sup>\*</sup>Note: Fees are based on Gross Revenue. Consult the EMerge website or call for details for your organization.

To join the EMerge Alliance, please visit us at www.EMergeAlliance.org/join/HowToJoin.aspx 2400 Camino Ramon, San Ramon, CA 94526, Phone 925-275-6617

