YOUR CLEANROOM IS YOUR MOST VITAL PIECE OF EQUIPMENT

Regardless of what equipment goes into your cleanroom, your cleanroom itself is your most vital piece of hardware. It is responsible for maintaining temperature, humidity, pressurization, containment, and cleanliness. Your cleanroom is your first line of defense to protect your manufacturing process, and AES is there to hold the line.

GUARANTEED PERFORMANCE

With AES Faciliflex program, our Integrated Project Delivery approach AES **guarantees temperature, humidity, cleanliness, and pressurization.**

- Compliance guaranteed: we have never built a cleanroom that failed validation or commissioning
- Performance guaranteed: our cleanrooms are built to last. Cleanrooms we built in 1985 are still in operation.
- You want your project to go smoothly and AES can **guarantee your cleanroom will work.**

ON SITE CONSTRUCTION SAFETY

Compliance does not allow for compromise.

- The AES team are **experts in delivering functional cleanroom facilities,** and we take single point responsibility for delivering fully compliant projects.

MAINTENANCE/DURABILITY

AES engineers cleanroom facilities to maximize installation quality and to withstand anything you throw at it. The demands placed on pharmaceutical and biotechnology cleanroom facilities are extraordinary, so these facilities must be **robust and require minimal downtime for maintenance.**

- AES provides **seamless transitions** from ceiling to wall, wall to wall, and wall to floor to accommodate the aggressive pharma and bio client's cleaning protocols.
- AES surface finishes are designed to last against the harsh sanitizing and decontaminating solutions that are standard for regular use within our facilities.
- **AES will not use cheaper, subpar materials** commonly used in other modular systems, such as painted metals, gypsum board assemblies, excessive caulk and rock-wool or foam cores.
- AES is a **partner with our clients for life,** so we invest in the right materials from the beginning such as:
  - PVC surface finishes for chemical compatibility;
  - Aluminum structures for low flame spread and smoke development;
  - Honeycomb aluminum cores for strength, flexibility for change, and rejection of moisture;
  - PVC liquid welded joints for long-term integrity.

LIFE CYCLE ISSUES

Is your facility built for expansion? Will it prevent costly shutdowns? Your cleanroom should be operational with the least amount of maintenance—because you aren't making money when you aren't making medicine.

Will your process be the same in 5 years? If you are uncertain do you want your system to be capable of making changes while you are in operation and manufacturing?

Only AES cleanrooms can sustain operation while you change or expand your manufacturing process. With AES, **you can maintain a fully functioning cleanroom alongside the construction of new cleanroom space.** They can share the same wall, and our installation process will not impact your manufacturing

TAX ADVANTAGES

Modular cleanroom facilities can be considered capital equipment instead of capital improvements; therefore, they can be depreciated at an accelerated rate.

This results in **tax savings for the client.** In addition, under certain circumstances, initial tax burdens can be reduced as compared to traditional construction.

aes Clean Technology