

Controlled Environments

Precision Environments

Cleanrooms

Gigafactories

Metrology Labs

Controlled Environments

DESIGN-BUILD

One-Stop Source for World-Class Controlled Environments

**SINCE
1989**

DELIVERING TOP QUALITY CONTROLLED ENVIRONMENTS

From concept to certification, we deliver the following controlled environments, custom designed for your specific processes.

Cleanrooms



We offer ISO Class 3- to 8-rated cleanrooms that are customizable, scalable, and easily reconfigurable in a wide variety of applications, including:

- Aerospace
- Biotech/Life Sciences
- Cannabis
- Manufacturing
- Medical Device
- Modular Cleanrooms
- Pharmaceutical/Life Sciences
- Semiconductor

Gigafactories



Gigafactory cleanrooms require extremely low humidity levels designed to ensure precise, safe, and high-tech manufacturing conditions for sensitive components like lithium-ion batteries for electric vehicles. Our gigafactory cleanrooms maintain ultra-high levels of cleanliness to prevent contamination of the products being produced. Our gigafactory dry rooms use specialized air filtration systems, impressive temperature and humidity controls, and stringent safety protocols.

Metrology Labs



Precision Environments custom designs and builds a wide variety of high performing metrology laboratories that enhance your technology, research, and production processes including:

- Mass Metrology (MM) Laboratory
- Controlled Measuring Machine (CMM) Room
- Electrical Metrology Laboratory
- Filter Weighing Laboratory

Scan the QR code to visit our online Project Gallery to view several highlighted projects:
<https://precisionenvironmentsinc.com/project/>



CONTROLLED ENVIRONMENTS

As a nationally recognized leader in controlled environment innovation, Precision Environments is a one-stop source for world-class design-build controlled environments. Precision Environments will lead you through the entire project – from concept to certification and maintenance – by providing the following customized end-to-end turnkey project services.

Maintenance & Service

Our team is dedicated to ensuring that your controlled environment is maintained, and reliable and efficient operations are ongoing. Scheduled maintenance packages and emergency response services are available 24/7 including calibration and recertification offerings, and emergency response services.

Facility Concept & Planning

Our team conducts engineering site visits to identify all specific and unique project requirements including business imperatives, processes, space utilization, and desired goals.

We prepare a plan based on these project specifications as well as regulatory, compliance, and classification requirements.

Regulatory & Compliance Consulting

Our subject matter experts are well versed in regulatory requirements for specialty environments. Our team ensures that your controlled environment – design and layout, equipment and materials, personnel, and material flow – is built to your industry's specifications and meets regulatory requirements.



Facility Analysis & Certification

Our team is committed to compliance with Current Good Manufacturing Practices (cGMP), Institute of Environmental Sciences Technologies (IEST), and International Organization for Standardization (ISO). We offer a range of certification services and guarantee compliance to the scoped level of certification.

Construction Management

We assign a highly skilled construction management team to manage all aspects of the project from concept through certification. Our team provides valuable input into both estimating cost efficiency and engineering design efficiency to ensure constructability with a priority on schedule, quality, and safety.

Engineering & Design

Our engineering and design team understands and balances our clients' requirements with local and national building codes, as well as with plant, industry, and regulatory standards.

We employ an interactive and collaborative cleanroom design philosophy with a focus on efficiency, compliance, and scalability.

Contact us to learn more about how our team of professionals can help you and your company design and build a world-class controlled environment. To get instant access to our request form, scan the QR code with the camera on your mobile device, then click on the URL.



CONTROLLED ENVIRONMENTS

With over 30 years of quantifiable success in the design, engineering, and construction of turnkey controlled environments, Precision Environments partners with our clients to custom design and build controlled environments – **cleanrooms, metrology laboratories, and gigafactory cleanrooms/dry rooms** – to their specifications and requirements for quality, service, and compliance. We deliver high performing controlled environments that enhance our clients' technology, research, and production processes. Regardless of size or application, Precision Environments builds safety, compliance, and customer satisfaction into every project.

BUILT FOR COMPLIANCE

All controlled environments designed, built, and warranted by Precision Environments are compliant with ISO 14644-1 standards, cGMP standards, GMP European Standards for Sterile Injectables, and FDA CFR 21 Part II.

PERFORMANCE GUARANTEE

We guarantee that our controlled environments meet your project requirements and exceed your expectations for quality and service.



Precision Environments is a A2LA 17025 Accredited Controlled Environment Design/Build Company



We design, build, and certify controlled environments according to ISO standards.

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