



PROCON ENGINEERING & CONSTRUCTION

TRUSTED TO BUILD
DRIVEN TO LEAD

PROCON E&C | COMPANY PROFILE

Pharma & Biotech Cleanrooms

An integrated U.S. construction partner for controlled environments,
reliable power and high-performance building systems

Architecture & Interiors • Electrical • HVAC / Mechanical • BIM / VDC • Project Delivery



Contents

01 Positioning · At a Glance

Where we fit as your U.S. construction partner, with company facts and figures

03 How We Deliver

Project lifecycle · Korea ↔ U.S. delivery

05 Working Together

Engagement model · Contacts · Reference standards

02 Service Groups

Cleanroom & HVAC (architecture & interiors, cleanroom build animation, HVAC) ·
Electrical, Controls & Low-Voltage · BIM / VDC

04 Experience and Differentiators

Transferable experience · Why PROCON · Compliance and safety

POSITIONING

Your U.S. construction partner for complex manufacturing facilities

PROCON brings its experience in cleanrooms, advanced manufacturing, electrical, mission-critical and specialty building work to bio and pharmaceutical projects.



01

Controlled Environments

Cleanroom ceilings, partitions, penetrations, specialty finishes and integrated installation.



02

Critical Power

Power distribution, equipment power, lighting, control interfaces, turnover for energization and startup support.



03

MEP Integration

Field coordination across HVAC, electrical, fire protection, controls and architectural systems.



04

U.S. Project Delivery

Local trade partners, safety, inspections, procurement, scheduling and closeout.

PROCON DIFFERENTIATOR | In-house BIM / VDC

We don't simply build the drawings as issued. We check trade clashes and constructability in BIM first, then carry the resolved model into the field.

At a Glance

Founded in Georgia in 2021, with project experience in 16 states. Our own crews self-perform specialty scopes at semiconductor, battery, automotive and data center facilities.

2021 Founded in Georgia	16 states of project experience	110 People — 80 field · 20 supervisory · 10 office	378,642 Man-hours in 2025	0.92 EMR · experience modification rate	E-VERIFY Certified Payroll · OCIP/CCIP
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Electrical & General Contractor Licensing Georgia Electrical Contractor, Class II (Unrestricted). Georgia Commercial General Contractor license. Electrical and general contractor licensing across multiple U.S. states, with additional states added to match project locations.	W-2 Crews Work-authorized W-2 crews from PROCON group companies	Bilingual Korean / English Working communication between the owner, design and equipment teams and the U.S. site	Acumatica ERP · AutoCAD · Revit Cost and schedule in Acumatica, drawings in AutoCAD and Revit
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02 | SERVICE GROUPS

One construction team. Five service groups.

The pages that follow cover the groups at the core of bio and pharma work.

01

Cleanroom & HVAC

Cleanroom build-out · Industrial HVAC

02

Electrical, Controls & Low-Voltage

Power · I&C · Network · Security

03

Equipment Installation & Hook-up

Process tools · HVAC equipment ·
Electrical gear · AMHS

04

Specialty Envelope & Architectural Metal

Skylights · Space frames · Louvers ·
Metal panels

05

BIM / VDC

Coordination · Shop drawings · Scan-to-as-built

Precision architectural work for controlled environments

Constructability, cleanliness, airtightness and MEP coordination have to work as one system.

Cleanroom / Interiors

- Cleanroom wall and ceiling systems
- Modular partitions and specialty doors
- Equipment penetrations and sealing details
- Epoxy / seamless flooring and coved base
- Gowning rooms, airlocks, labs and support spaces
- Technical corridors, utility and control rooms



WHAT PROCON MANAGES ON SITE

01

Constructability

We resolve field interface issues before they turn into schedule delays.

02

Room Integrity

We control joints, penetrations and transitions in critical spaces.

03

Trade Coordination

We coordinate ductwork, cable tray, sprinklers, controls and utilities above the ceiling as one.

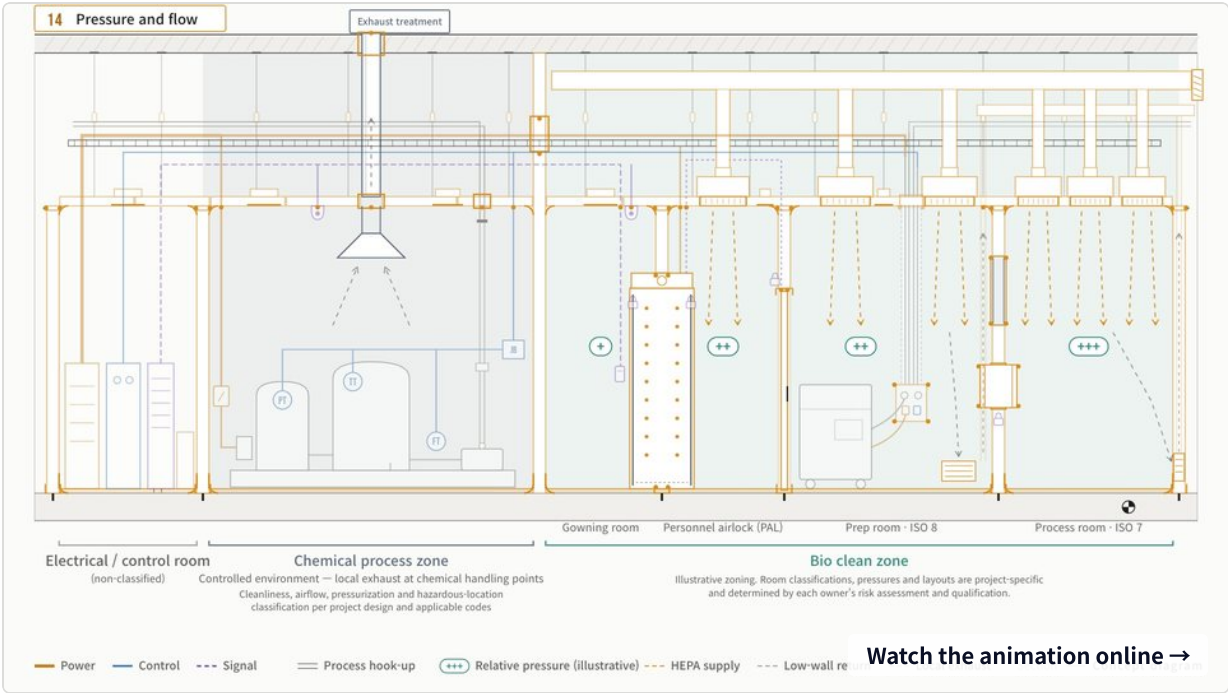
04

Turnover Quality

We organize punch lists, documents and closeout records so turnover to the owner is complete.

Chemical and bio cleanrooms, ceiling first

Setting out and the floor track come first; the walkable ceiling is hung next, and the wall panels are set in the track and fixed to the ceiling. Doors, flush windows and pass-throughs go in, and above-ceiling MEP and terminal HEPA housings are installed from the walkable deck. Rooms are labeled ISO 8, ISO 7 and CNC only. Typical sequence; it varies by system and project.

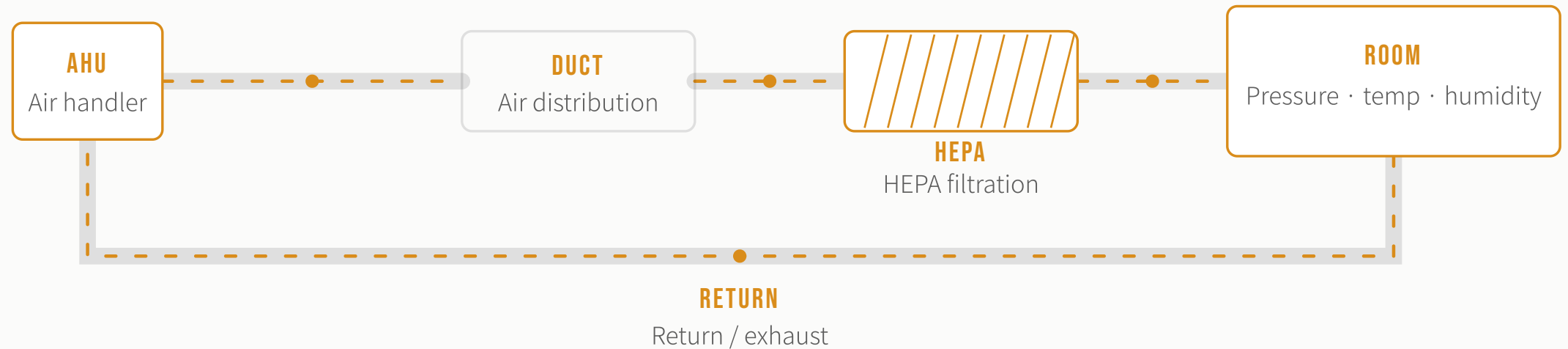


23 s · Concept animation, not project footage · not to scale; details vary by project

- 01 Zones in section
- 02 Layout and floor track
- 03 Walkable ceiling first
- 04 Wall panels fastened to the ceiling
- 05 Doors, flush windows and pass-throughs
- 06 Air shower (where specified)
- 07 Above-ceiling MEP
- 08 HEPA terminals and low-wall returns
- 09 Finishes and integral cove
- 10 Equipment setting and hook-up
- 11 Utility routing
- 12 Security and server room
- 13 Joints and penetrations sealed
- 14 Pressure and flow
- 15 Turnover support

HVAC is a **core system** in bio and pharma plants.

In pharmaceutical manufacturing, HVAC directly controls contamination and keeps the production environment stable.



PROCON HVAC / MECHANICAL INSTALLATION

- AHU, ductwork, supply, return, exhaust and equipment ventilation installation
- HEPA terminal installation, room pressure and TAB support, controls interfaces
- Temperature, humidity and pressure control checked early against ceiling, electrical, fire and process work
- BIM/VDC to cut clashes and rework in dense MEP zones above the ceiling

In bio and pharma facilities, build quality and the start-up schedule depend on precise coordination between HVAC and architecture, electrical, fire protection, controls and process equipment.

Reliable power for mission-critical manufacturing

We deliver electrical work as one package built around process equipment, HVAC, control systems and operational readiness. PROCON holds a Georgia Electrical Contractor license (Class II, Unrestricted), and our own crews do the work.

Power Distribution

- Switchgear / transformers
- Panels / feeders / branch power
- Duct banks and site feeders
- MCC and equipment power connections
- Cable tray, conduit and wiring

Critical Systems

- Emergency / standby power interfaces
- UPS and critical equipment power
- Cleanroom / emergency lighting
- Low voltage (communications, security) and I&C installation
- Fire alarm coordination

Equipment Integration

- Review of equipment vendor power requirements
- Korean equipment / U.S. site coordination
- Controls and interlock interfaces
- Testing, turnover for energization and startup support

Key differentiator

PROCON turns owner and equipment-vendor requirements into U.S. field electrical work.



Our edge: **we run BIM in-house** and remove construction errors before they happen

We are not just an installer. We use BIM to review architectural, electrical, HVAC, fire protection and equipment interfaces in advance, and carry that work through to field installation.

01 MODEL

Model integration

Architectural, MEP and equipment models combined



02 CLASH

Clash review

Clash review and constructability check



03 COORDINATE

Trade coordination

Locations, elevations and penetrations set by trade



04 BUILD

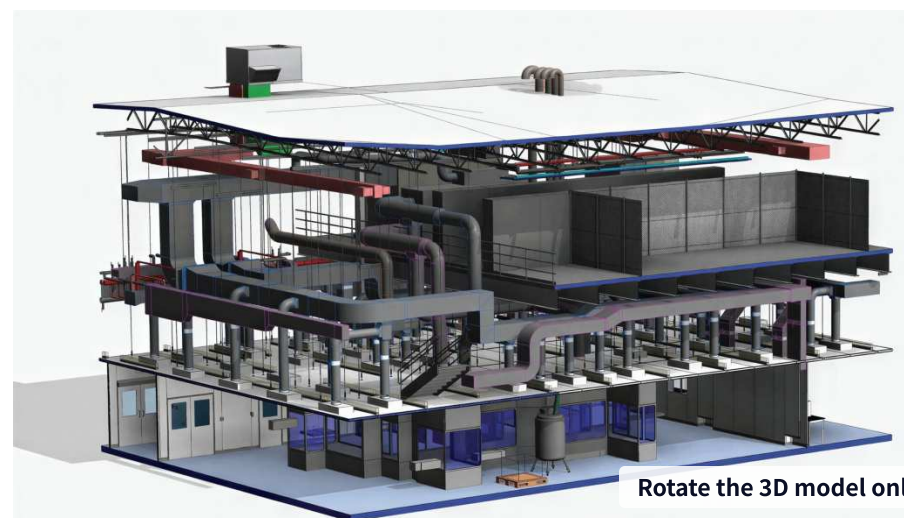
Field installation

Built from the coordinated model

Why it matters on bio and pharma projects

Ductwork, cable tray, piping, sprinklers, lighting, HEPA units and equipment connections are packed above the ceiling. BIM coordination is the main tool for cutting rework and field clashes and for keeping the schedule dependable.

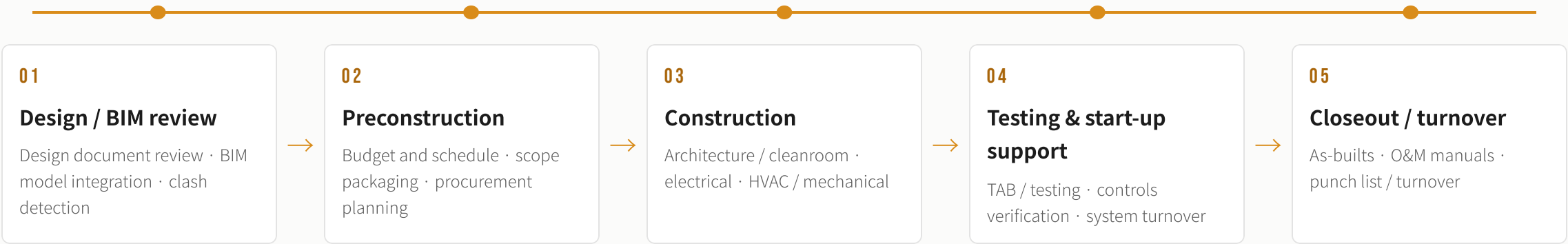
“WE COORDINATE BEFORE WE BUILD.”



[Rotate the 3D model online →](#)

From design review to turnover documentation

PROCON carries BIM coordination from preconstruction through field installation and turnover. One construction team delivers cleanroom and HVAC, electrical, and BIM / VDC.

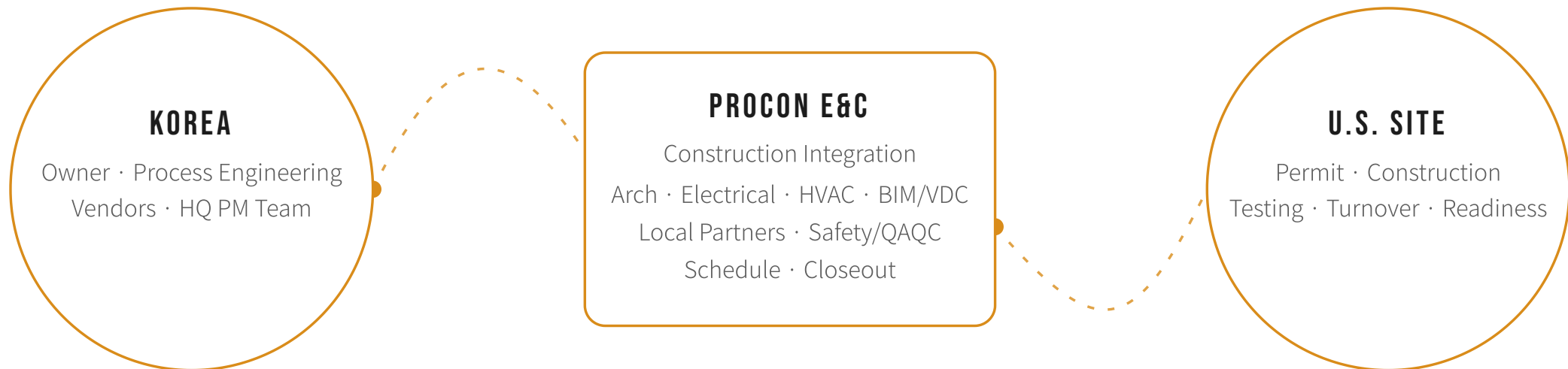


TURNOVER DOCUMENTATION, ORGANIZED FOR THE OWNER

PROCON organizes construction and system turnover documentation, from as-builts and O&M manuals to test records, so the owner's team receives one complete, organized package.

Connecting Korean engineering with **U.S. field execution**

We connect the owner, design and equipment teams in Korea with the U.S. site, in Korean and English, at a working level.



Team experience that carries directly into bio and pharma projects

Beyond PROCON's own cleanroom work, members of our team built hospital operating rooms and pharmaceutical labs before PROCON was founded.



CLEANROOM / HIGH-TECH

Samsung Taylor

System ceiling and controlled-environment construction



HEALTHCARE

The Johns Hopkins Hospital

Operating room construction

Team experience prior to PROCON

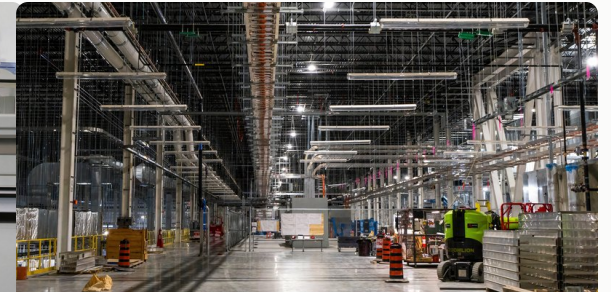


BIO / PHARMA LAB

TissueGene

Pharmaceutical laboratory construction

Team experience prior to PROCON



ADVANCED MFG.

Battery / Data Center / NASA

Architectural, electrical and specialty work with dense MEP coordination

NASA: team experience prior to PROCON

ROCKVILLE, MARYLAND | Team experience prior to PROCON

Before PROCON was founded, members of our team built the TissueGene lab in Rockville, MD, and learned the local coordination and approval steps it takes to start a project there. That shortens the path from early planning to field work on bio and pharma projects in the area.

WHY PROCON

Four things owners and general contractors get when PROCON builds the package.



01

One integrated team

Cleanroom architecture, electrical and controls, HVAC, AMHS, and equipment setting and hook-up under one contract.

- Cleanroom architecture: wall panels, access floor and system ceiling
- Electrical, controls and low-voltage systems
- HVAC and ductwork
- AMHS
- Equipment setting and hook-up

Fewer interface gaps, no finger-pointing between trades, fewer delays.



02

Korean experience, U.S. codes

Bilingual Korean–English teams bring experience from Korean advanced-manufacturing plants and build to U.S. codes and practice.

- Korean and English from the field to the office
- Samsung, SK hynix, LGES and Hyundai plants
- U.S. codes, inspections and jobsite practice
- Supervisors who have built the technology before, for plants new to the U.S.

Built for Samsung, SK hynix, LGES and Hyundai plants.



03

Self-perform workforce

About 110 people, with work-authorized W-2 crews from PROCON group companies, so PROCON controls mobilization and schedule.

- 80 field · 20 field supervisory · 10 office
- Work-authorized W-2 crews from PROCON group companies
- Mobilization and schedule set by PROCON

Project experience in 16 states · EMR 0.92



04

Digital project delivery

In-house BIM resolves clashes before installation, and our own project management platform logs site activity the same day.

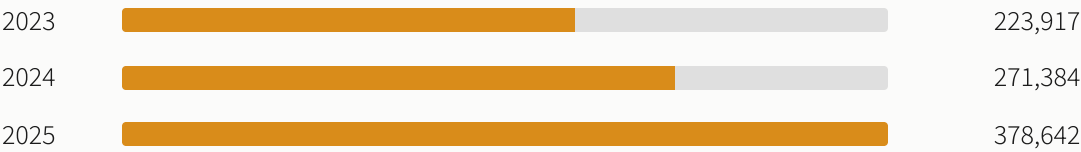
- Daily reports with photos
- Manpower and time tracking
- Equipment records
- Subcontractor paperwork such as lien waivers

Clients see site status the same day and get closeout documents faster.

Safety is not a box to check. It is a standard we never compromise.

Every worker is required to complete OSHA 10 training and every foreman OSHA 30. A dedicated Safety Manager who has completed OSHA 500, the construction trainer course, runs oversight, training and enforcement company-wide. Every worker is drug-tested and verified through E-Verify. We have deep experience with OCIP/CCIP wrap-up programs, Davis-Bacon (DBA) projects and certified payroll through LCPtracker.

TOTAL MAN-HOURS



OSHA 10 Required for every worker	OSHA 30 Required for every foreman
OSHA 500 Dedicated Safety Manager — construction trainer course completed	E-VERIFY • DRUG TESTING Every worker
EMR 0.92 Experience modification rate (EMR)	CERTIFIED PAYROLL Davis-Bacon (DBA) projects • weekly via LCPtracker
OCIP / CCIP Deep wrap-up program experience	LICENSED Georgia Electrical Contractor, Class II (Unrestricted). Georgia Commercial General Contractor license.

A practical way to engage on upcoming bio projects

PHASE 1

Early Phase

- BIM / VDC coordination
- Constructability and clash review
- Scope packaging
- Budget / schedule review
- U.S. code & permit coordination

PHASE 2

Execution Phase

- Architecture / cleanroom build-out
- Electrical work
- HVAC / mechanical installation
- Trade and equipment interfaces

PHASE 3

Turnover Phase

- Testing / TAB coordination
- Punch list & closeout
- As-built / O&M package
- Start-up support

Recommended first step

A joint scope workshop to define the architectural, electrical and HVAC packages PROCON would self-perform or manage.

Industry and regulatory frameworks reflected in this document

FDA — Q7 Good Manufacturing Practice Guidance for Active Pharmaceutical Ingredients (ICH Q7)

Facility flow, utilities, ventilation, filtration, pressure, humidity and temperature control.

FDA — Facts About Current Good Manufacturing Practice (CGMP)

CGMP emphasizes proper design, monitoring and control of manufacturing processes and facilities.

ISO 14644-1 — Cleanroom classification

Classifies cleanroom air cleanliness by particle concentration, from ISO Class 1 to ISO Class 9.

ISPE — HVAC Good Practice Guide, Second Edition (2024)

Risk-based HVAC design and cleanroom requirements for pharmaceutical manufacturing facilities.

Important

Project-specific GMP, cleanroom classification, permit and code requirements must be confirmed with the owner's design, quality and regulatory teams and the authority having jurisdiction.

Verified in BIM first, built right in the field.

Your U.S. construction partner for bio, pharmaceutical,
life science and advanced manufacturing facilities

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Mechanical

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