



We Save Lives and the Planet



Process | Engineering | Validation | Compliance

**GMP Design and
Engineering**



Designing process equipment, clean utilities, cleanrooms, HVAC and aseptic facilities.

**Project Management
& On-Site Services**



Managing commissioning, troubleshooting, on-site works & GMP compliance.

**Validation and
Quality Assurance**



Ensuring validation, regulatory requirements, quality assurance, audit review & PAI.



ASME BPE



Construction
Management



Health
Canada



Biotech



EUROPEAN
MEDICINES
AGENCY



Industry 4.0



ISO
14644



Pharmaceutical



Fine Chemicals &
Cosmetics



Humanitarian



Medical Cannabis,
THC, CBD



Hospitals & Health

+300

successful EPCMV
projects

+30

years of
experience &
SME Experts

+3

continents, North
America, Africa,
Europe...



Clients who trusted **PBE** Expert in GMP Solutions

moderna

INSTITUT
PASTEUR
de Dakar

Endoceutics™

Samaritan's Purse®
INTERNATIONAL RELIEF | CANADA

MSH PHARMA™ DELPHARM

BD

COREALIS
Formulation Development and
Clinical Supply Manufacturing Pharma

PUR LAB

BOSCH
GCBT

NUVAC

ISOLOGIC
Radiopharmaceutiques Novateurs



Vetio
ANIMAL HEALTH

CRESCITA
THERAPEUTICS

PROCEPACK

CONFAB

JUBILANT
HOLLISTERSTIER

vetoquinol
ACCOMPLIR PLUS ENSEMBLE

IntelGenx
CORP

cubed³
psychedelic biotech

Médis
Au service de la santé

ap
groupeparima

GETINGE

SILICYCLE

pharma
plus

à la hauteur
de votre
pratique

Derme&co

COOPER
PHARMA

Pharmaghreb
La qualité pour la Santé

TERIAK

Cryopak
The Perfect Degree of Protection

ORCHESTRA
LIFE SCIENCES

100

Learn more
about *how*
we deliver
excellence



GMP Design and Engineering



- Sanitary Process Equipment & Clean Utilities (URS, P&ID, ASME-BPE)
- Cleanrooms Layout & HVAC (ISO-14644)
- Aseptic, Injectables & High Potent (OEL +5)
- Vaccine, Biosimilar, Cell Gene, Containment (BSL 2-3)
- Explosion Proof & Compliance (ATEX)
- Risk Analysis Assessment & Mitigation (ICH-Q9, FMEA)
- Traceability Matrix & Change Control Management (ISPE v. 5)

Project Management & On-Site Services



- Product Reworks (Packaging & Labelling) in our GMP facilities
- New Drugs Development & Formulation
- Delivery, Installation, Commissioning (FAT, SAT)
- Engineering & PLC Control, HVAC & Cleanrooms Tests
- On-Site Building, Works Follow-up & Benchmark
- "Site Master File" (SMF) & cGMP Training

Validation and Quality Assurance



- Validation Master Plan (VMP), Validation: IQ, OQ, PQ
- Instruments Calibration, Cleanrooms, HVAC & Clean Utilities Tests
- IT, CSV, BMS & ERP Validation (GAMP)
- Cleaning Validation, Process Validation
- Quality Assurance, SOP, Batch Release, Investigations, RCA, CAPA
- GMP Compliance Audit, PAI, Site GMP Certification



Seeking a **Strategic Compliance Partner** for full **GMP** services?
Trust PBE Expert to elevate your project's standards.



Contact Us Today at **+1 514 616 2692** or by email at **pbe@pbe-expert.com**

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