IPS Company Overview

Knowledge, Skill & Passion
IPS-Integrated Project Services, LLC is a global provider of technical consulting, architecture, engineering, project controls, construction management, and CGMP compliance services for technically complex pharmaceutical development and manufacturing facilities worldwide. Our world-class expertise, knowledge, and understanding of industry trends place importance on time-to-market, plant flexibility and cost control to avoid costly project delays and minimize risk while building, designing, constructing and qualifying CGMP regulated facilities.

### Business Consulting
- Operations Strategies
- CGMP Compliance Consulting
- Operational Excellence and Planning
- Strategic Master Planning
- Technology Transfer
- Lean Approaches to Capital Projects
- Calibration Program Management
- Energy Audits / Conservation / Management
- Environmental Impact Analysis / Assessment

### Construction Management
- EPCM / Design-Build
- Programme Management
- Construction Management
- Preconstruction
- Cost Management
- Estimating / Scheduling
- Target Costing
- Open Book EGMP
- Risk Analysis
- Facility / Process Equipment Expediting
- Procurement Strategies
- Project Management
- Risk Analysis
- Turnover Packages
- Safety / Environmental Compliance

### Design / Engineering
- Technology
- Process Engineering
- Process Architecture
- Automation
- Architectural
- Mechanical, Electrical, Plumbing
- Building Services
- Fire Protection / Life Safety
- Equipment
- Computer Process Simulation and Modeling
- Environmental
- BIM Technology / CAD
- 3D Simulation
- Conceptual Design / Engineering
- Detailed Engineering
- Energy / Sustainability / Conservation Management

### Project Controls
- Cost Engineering
- Planning / Scheduling
- Critical Path Methodology
- Manpower Requirements
- Earned Value Management
- Change Management
- Risk Management Assessment
- Estimating
- Document Controls

### Technical Staffing
- Construction Managers / Field Engineers
- Project Managers
- Validation / Commissioning Engineers
- Project Controls Professionals
- Quality Systems Professionals
- Owners Representatives

### Services
- Business Case Consulting
- Operations Strategies
- CGMP Compliance Consulting
- Operational Excellence and Planning
- Strategic Master Planning
- Technology Transfer
- Lean Approaches to Capital Projects
- Calibration Program Management
- Energy Audits / Conservation / Management
- Environmental Impact Analysis / Assessment

### Projects
- Projects Range from $1.000 to $1.5B

### About Us
- Founded in 1989
- 22 Offices in 10 Countries and Growing
- Biotech and Pharma Industry Focused
- Projects Range from $1.000 to $1.5B
- 1,400 Experienced Professionals
- Internationally Known SMEs
- Best-in-class Technical Expertise
- Many Employees Come from Client Sites

### Core Services
- Technical Consulting
- Architecture
- Engineering
- Project Controls
- Construction Management
- CGMP Compliance / CQV
- EPCM
- Technical Staffing

### Internationally Recognized Technical Expertise
- Advanced Aseptic Filling / Barrier Technologies
- API / Small Molecule Manufacturing
- Oral Solid Dosage (OSD)
- Biomanufacturing, Cell & Gene Therapies, Vaccines
- Potent Compounds and Containment
- Scale-up / Tech Transfer
- Critical Utilities / Utility Design
- Laboratories / Vivariums
- Risk-based Commissioning & Qualification
- Serialization & Traceability
- ICON / Flexible, Lean & Turnkey Modular Construction / Integrated Project Delivery

Knowledge, Skill & Passion
IPS • www.ipsdb.com

About Us

| COMPANY OVERVIEW | COMPANY OVERVIEW |

Construction | Commissioning | Qualification | Staffing
Consulting | Design | Engineering | Project Controls
IPS • www.ipsdb.com

Knowledge, Skill & Passion

| COMPANY OVERVIEW | COMPANY OVERVIEW |

Construction | Commissioning | Qualification | Staffing
Consulting | Design | Engineering | Project Controls
IPS • www.ipsdb.com

Knowledge, Skill & Passion

| COMPANY OVERVIEW | COMPANY OVERVIEW |

Construction | Commissioning | Qualification | Staffing
Consulting | Design | Engineering | Project Controls
IPS • www.ipsdb.com

Knowledge, Skill & Passion
A three-phased hybrid-build design construction approach was undertaken to consolidate global clinical supplies operations into a single, state-of-the-art clinical manufacturing, packaging and distribution facility. This complex manufacturing upgrade was executed within an existing operation, to complement its existing syringe and vial lines with first-of-its-kind flexible filling technology. This facility was recognized for its novel approach to combine three filling lines into one under barrier isolation in a single filling suite.

IPS brought early and late phase CGMP clinical manufacturing and development scale-up areas together within a single facility allowing IMS to develop and deliver increased compliance, productivity and technical innovation to meet present and future drug development pipeline.

IPS received recognition for our contribution to the industry.
Recognitions

Global Reach

Internationally Recognised Technical Expertise

IPS has integrated state-of-the-art knowledge and project execution around the world.

- IPS India provided a detailed HAZOP study for solvent storage tanks for an API manufacturing client. A nitrogen blanketing automation system was designed to surround over 800 tanks and vessels in accordance with CGMP and the client’s internal standards. The system was designed for safe storage, handling, transfer and process operation, as well as minimizing vapor loss.

- Designed a greenfield aseptic manufacturing complex with the commitment of QBD, CGMP compliance, safety, efficiency, sustainability, and aesthetics. The facilities in the complex ensure a supply of liquid vials and ampoules as well as lyophilised vials to domestic and global markets.

- IPS was retained by a CMO in Ireland to prepare a concept design for a laboratory and manufacturing facility dedicated to manufacturing a vaccine in lyophilised vial dosages for a BSL-3 designated virus.

- Created a large-scale pharmaceutical manufacturing facility for OSD and injectable products for Lupin. This technically complex project set a quality standard and template for how future projects in India should be executed and constructed to compete in the global market place. This project won ENR’s 2019 Global Best Projects Award of Merit for Manufacturing.

- IPS used the ICON™ solution to deliver viral vector manufacturing and cell therapy production units to a facility in Germany. Once delivered, the facility started commercial production at the 50L and 200L scale using ICON units for inoculum prep and Grade D upstream and downstream processing.

Industry Rankings

PHILADELPHIA BUSINESS JOURNAL

- Top 25 Engineering Firms
- Top 25 Architectural Firms
- Top 25 Contractors
- Top 100 Major Employers

ENR Engineering News-Record

ENR Rankings
- Top 100 Design-Build Firms
- Top 225 International Design Firms
- Top 400 Contractors
  - Top 50 Contractors Working Abroad
  - Top 50 Designers in International Markets
- Design Source Book
  - Top 500 US Design Firms in Manufacturing & Telecommunications:
    - Pharmaceuticals List
    - Industrial Process List
    - Chemical Plants List
- Global Source Book
  - Top International Design Firms
    - Industrial Process List
    - Pharmaceutical Companies
  - Top International Contractors
    - Pharmaceuticals List
  - Construction Source Book
    - Top 50 Design Firms in Manufacturing & Telecommunications:
      - Industrial Process List
      - Pharmaceutical Companies

Architectural Record

- Top 300 Architecture Firms

Building Design + Construction

- Top 35 Engineering and Architecture Firms
- Top 70 Construction Management Firms
- Top 115 Contractor Management Firms
- Top 110 Reconstruction Engineering Firms
- Top 110 Reconstruction Construction Firms

2020 Zweig Group Hot Firms List
Ranked as one of the 100 fastest-growing architecture, engineering, planning, and environmental consulting firms in the United States & Canada that have outperformed the economy and competitors to become leaders in our field.

2020 Zweig Group Best Firms to Work For Award
The Best Firms to Work For award recognizes the AEC firms in the US and Canada based on their workplace practices, employee benefits, employee retention rates, and much more. IPS ranked as #1 in the Design/Build category.

Inc. 500

2014 Inc. List of the Fastest-Growing Private Companies in America
IPS received recognition for a 131% growth in the past 3 years.
COMPANY OVERVIEW

Locations

NORTH AMERICA

Mid-Atlantic

Blue Bell (Headquarters)
Germandown, MD
P: 610.828.4090
F: 610.828.3656

California
Irvine &
San Francisco
P: 949.679.4682
F: 949.679.4683

Kansas
Overland Park
P: 913.345.9084

Maryland
Germandown
P: 240.839.3620

Massachusetts
Chelmsford
P: 978.954.5450

New Jersey
Somerset
P: 732.748.1990
F: 732.748.1993

Cherry Hill
P: 856.395.0400

North Carolina
Morrisville
P: 919.460.6636
F: 919.460.6648

Canada
Vaughan, ON
P: 416.388.4571

Brazil
São Paulo
P: +55 11 4118-3009

Canada
Toronto, ON

New England
Chelmsford, MA
Woburn, MA

Northeast
Somerset, NJ

Central
Overland Park, KS

West
Irvine, CA
San Francisco, CA

NORTH AMERICA

Southeast

São Paulo
Brasil

EMEA

Ireland
Dublin

United Kingdom
Birmingham
P: +44 121 289 3471

Ireland
Dublin
P: +353 1 4854246

Switzerland
Basel

Germany
Frankfurt & Nuremberg
P: +49 69 677 33 31 30

Singapore
P: +65 6662 9370
F: +65 6570 9221

Canada
Toronto, ON

New England
Chelmsford, MA
Woburn, MA

Northeast
Somerset, NJ

Central
Overland Park, KS

West
Irvine, CA
San Francisco, CA

E M E A

Ireland
Dublin

United Kingdom
Birmingham
P: +44 121 289 3471

Ireland
Dublin
P: +353 1 4854246

Switzerland
Basel

Germany
Frankfurt & Nuremberg
P: +49 69 677 33 31 30

Singapore
P: +65 6662 9370
F: +65 6570 9221

China
Shanghai
P: +86 21 64821336

India
Mumbai
P: +91 022 6720 9717
New Delhi
P: +91 011 2577 7806
F: +91 011 2577 9152
Vadodara
P: +91 0265-2250411
+91 0265-2250412

Asia-Pacific

Singapore

China
Shanghai

ASEAN

South America

São Paulo
Brasil

SOUTH AMERICA

Brazil
São Paulo

Knowledge, Skill & Passion
IPS • www.ipsdb.com