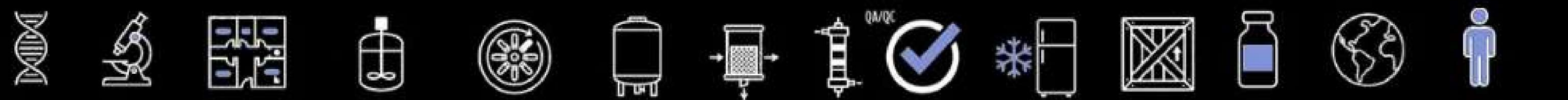




# Orchestrating & Driving GMP Batch Success, Capacity, and Consistency at Global Scale

- DESIGN
- BUILD
- PROCURE
- START-UP
- OPERATE
- LICENSE
- REMEDY
- RETROFIT
- OUTSOURCE





# Orchestrating & Driving GMP Batch Success, Capacity, and Consistency at Global Scale

As global biotechnology consultants, Biotech Resources Group (BRG) helps you become the best biotech manufacturer.

## Challenges & Opportunities:

Biopharma companies encounter a variety of frustratingly persistent GMP challenges. This can be intensely uncomfortable for you, your teams, and communities/patients. Let's fix it.

Leveraging our **BRIDGEONE SERVICES PLATFORM**, biopharma companies want outcomes and results that matter:

OPS/QUALITY: **BIOMANUFACTURING PERFORMANCE IMPROVEMENTS**

OPS: **OPS EQUIVALENCE ACROSS ALL SITES (OPS/CMC/PPQ)**

CAPACITY: **MORE DOSES PER CAPEX DOLLAR**

CAPACITY: **PROCESS INTENSIFICATION**

CAPACITY: **CONTINUOUS MANUFACTURING**

CAPACITY: **CAPACITY EXPANSION - ACTIVE**

CAPACITY: **ASSET UTILIZATION HIGH**

BIZ DEV: **INCREASED CUSTOMER CONFIDENCE, RETENTION**

PEOPLE: **ATTRACT & RETAIN TOP TALENT**

EXTERNAL SUPPLIERS: **EPC SELECTION - ACTIVE**

EXTERNAL SUPPLIERS: **SITE SELECTION ACTIVE**

STRATEGY: **GEO-DIVERSIFIED BIOMANUFACTURING**

STRATEGY: **MEET ALL PROGRAM MILESTONES**

## TECHNICAL

- Site Selection / Incentives
- Vendor Qualification, Award, PM
- Conceptual Design Support
- Basic Design Support
- Detail Design Support
- BFD, PFD, Time & Motion
- Equipment URS/Datasheets
- Constructability Review
- Procure: Design/Fab/FAT/SAT/
- Stainless Superskids
- Single-Use Systems
- MOD / POD's
- Process Intensification

## HOST/MODALITY

- Mammalian, Microbial, Insect
- Antibody, Cytokine, AAV/LV
- Vaccines (Viral)

## OPS, QUALITY

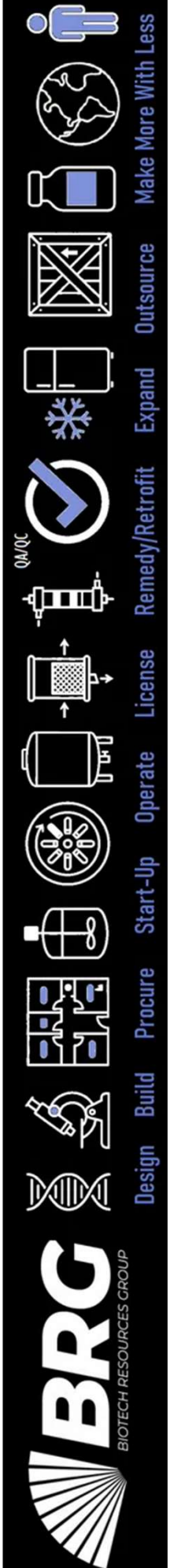
- Facility Audits
- CDMO Qualification, Award, PM
- Start-Up, Comm, Qual
- TYPE-C / NMPA Meetings

## Contact Us

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### Services Platform





## CURRENT STATE

### PERSISTENT CHALLENGES?

Biopharma companies encounter a variety of frustratingly persistent GMP challenges. We are fully aware that these issues are persistent and painful.

### FACILITY / PROCESS / CAPACITY / OPS

- ◆ Persistent Contamination Issues
- ◆ Older technology, Equipment
- ◆ Need to Harvest Faster / Make More!
- ◆ Need to Qualify a CDMO (DS/DP)
- ◆ Need a new GMP Facility (CDMO)
- ◆ Need a new GMP Facility (Innovator)

# BRIDGEONE

GMP SERVICES ECOSYSTEM

- Site Selection
- Vendor/CDMO Qualification
- Conceptual Design (CD)
- Basic Design (BD)
- Detail Design Support
- Facility Layouts
- Process Flow Diagrams
- Time & Motion
- Equipment URS/Fabrication
- Constructability Review
- Procure: Design/Fab/FAT,SAT
- Stainless/CFD/Superskid
- Single-Use Systems
- MOD / POD's

**DOING NOTHING IS NOT AN OPTION**  
**COST OF INACTION: UNBEARABLY HIGH!**



## OUTCOMES / RESULTS

### TRANSFORM YOUR BIOMANUFACTURING PERFORMANCE

- STRATEGY:** MEET ALL PROGRAM MILESTONES
- CAPACITY:** MORE DOSES PER CAPEX DOLLAR
- CAPACITY:** PROCESS INTENSIFICATION
- CAPACITY:** CONTINUOUS MANUFACTURING
- CAPACITY:** CAPACITY EXPANSION – ACTIVE
- BIZ DEV:** INCREASED CUSTOMER CONFIDENCE
- PEOPLE:** ATTRACT & RETAIN TOP TALENT
- FACILITY/CAPACITY:** ASSET UTILIZATION HIGH
- EXTERNAL SUPPLIERS:** EPC SELECTION – ACTIVE
- EXTERNAL SUPPLIERS:** SITE SELECTION ACTIVE
- OPS/QUALITY:** BIOMANUFACTURING PERFORMANCE
- OPS:** NEW LEVEL OF BIOMANUFACTURING CONFIDENCE
- GEOPOLITICS:** GEO-DIVERSIFIED BIOMANUFACTURING

Design Build Procure Start-Up Operate License Remedy/Retrofit Expand Outsource Make More With Less