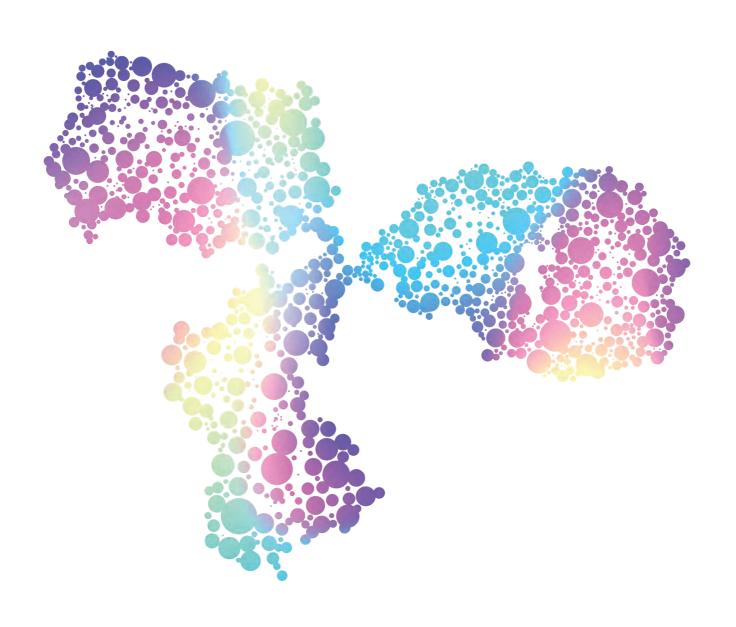
YOUR COMMITTED CDMO PARTNER







CEO Message

At LOTTE BIOLOGICS, we are pioneering a new era of excellence, driven by our unwavering dedication to quality and manufacturing excellence. Our path forward is illuminated by the expansion of new, advanced capabilities, meticulously designed to meet the forward-looking demands of our valued clients. We are invigorated by the opportunities that lie ahead, as we commit to not only meeting, but exceeding the manufacturing standards set before us.

Our journey is characterized by a strategic expansion of our technological, operational, and regional capabilities, reinforcing our agility and adaptability to rapidly evolving industry trends. This expansion is rooted in a deep understanding of our partners' needs, ensuring that every solution we provide is both impactful and sustainable. At the heart of our mission lies a clear and resolute promise: to deliver manufacturing excellence. This pledge is the cornerstone of our identity at LOTTE BIOLOGICS, establishing us as a pillar of reliability and quality in the biopharmaceutical arena.

LOTTE BIOLOGICS, Chief Executive Officer

Richard Wonjik Lee

RICHARD LEE

Leadership Committee



Richard Wonjik Lee

- Executive ChairmanChief Executive Officer
- Career Highlights: Samsung Biologics, Bristol Myers Squibb, Chiron



Michael C. Hausladen, Ph.D.
General Manager of LOTTE BIOLOGICS USA
Career Highlights:
Bristol Myers Squibb



Hyung-duk Yoo, Ph.D.

Chief Operating Officer
 Career Highlights:
 Roche/Genentech, Roche Korea



Kyoung E. Kim, Ph.D.

• Chief Business Officer Career Highlights: CHA Biotech, Archigen



Richard Schicho, Ph.D.

• Corporate Advisor
Career Highlights:
Takeda Pharmaceutical, Bristol Myers Squibb



Yooyeol Shin

- Executive DirectorChief Strategy Officer
- Career Highlights: Nomura Securities, LOTTE Chemical



Brett Budis, Ph.D.

• Head of the Global PMO Career Highlights: Bristol Myers Squibb



Kern H. Chang, Ph.D.

Chief Technology Officer
 Career Highlights:
 Janssen, GlaxoSmithKline



Jueon Kang

- Executive Director
- Chief Planning and Information Security Officer
- Career Highlights:
- Samsung Biologics, Samsung Corning Precision Materials



Darren Dasburg

Corporate Advisor
 Career Highlights:
 GlaxoSmithKline, AstraZeneca





Ryan Stelick

- Director of ManufacturingWorking at the Syracuse
- Working at the Syracuse Bio Campus since 2007



Stephanie

- Wickham, Ph.D.

 Director of MS&T
- Working at the Syracuse
 Bio Campus since 2024



Kirk Wolfgang

- Director of Facilities and Engineering
- Working at the Syracuse Bio Campus since 1996



Jeremy Boyles

- Director of Quality Operations
- Working at the Syracuse Bio Campus since 2005



John Frio

- Director of Supply Chain Planning
- Working at the Syracuse Bio Campus since 2004

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Business Overview

Delivering Manufacturing Excellence

LOTTE BIOLOGICS, a dedicated CDMO partner, is continuously expanding its capacity and capabilities to fully support its partners' customized needs for biologics development and manufacturing. In order to deliver the highest quality biologics promptly and seamlessly, we provide fully integrated services from early-stage development to clinical and commercial manufacturing at the most appropriate campus.







100%

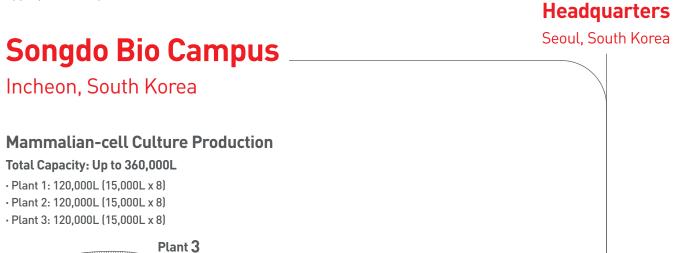


On-time Delivery

Period: Jan. 2023 ~ Dec. 2023 Period: Jan. 2023 ~ Dec. 2023



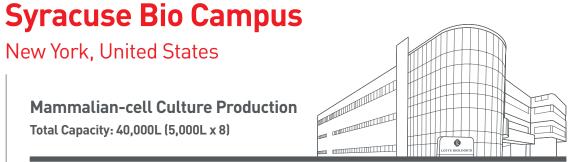
62+





New York, United States

Mammalian-cell Culture Production Total Capacity: 40,000L (5,000L x 8)



ADC Service

Your One-Stop ADC Service Provider

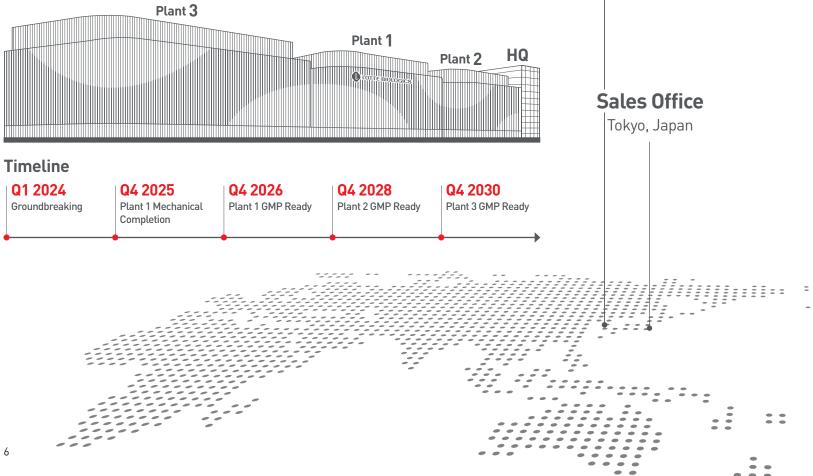
LOTTE BIOLOGICS will provide end-to-end development and manufacturing services for Antibody Drug Conjugates (ADCs) at a single campus. Removing the need to source your valuable product components from multiple campus, we offer a convenient conjugation service by manufacturing antibodies at the same campus.

ADC Timeline



Sales Office

Boston, United States





Business Scope

One-Stop CDMO Services

A comprehensive service encompassing Cell Line Development, Drug Substance Manufacturing and Aseptic Fill & Finish.



* Strategic Partners: ExcellGene, +2 (undisclosed)



Process Development, Optimization & Characterization can be performed upon client's request.



** Strategic Partners: Global DP Supplier (undisclosed)

Facilities

Global Presence

Bio Campus		Syracuse	Songdo		
			Plan 1	Plant 2	Plant3
Location		Syracuse, NY, US	Songdo, Incheon, South Korea		
lmage					
Capacity	Stainless Steel	5,000L X 8	15,000L X 8	15,000L X 8	15,000L X 8
	Single Use*	Multiple 2,000L	Multiple 2,000L	Multiple 2,000L	Multiple 2,000L
Modalities		Monoclonal Antibodies Bispecific/Multi-specific Antibodies Recombinant Proteins Antibody Drug Conjugates (ADCs)**	 Monoclonal Antibodies Bispecific/Multi-specific Antibodies Recombinant Proteins 		
cGMP Ready		In operation	Q4 2026	Q4 2028	Q4 2030

*Under Review **Ready By 1Q 2025

MS&T

Swift Tech Transfer, Expert Support

LOTTE BIOLOGICS Manufacturing Science & Technology department has experience successfully transferring 12+ molecules over the past 15 years, with 5 being commercially approved and 6 processes being developed from the Syracuse Bio Campus. We aim to effectively implement this and continue to utilize our experience at the Songdo Bio Campus.



Technology Transfer

- Develop and support the execution of scale-up studies from laboratoryscale to manufacturing scale
- Rapid technology transfer enabling swift commercialization, and ensuring uninterrupted supply of product



Lifecycle Management

 Technical support and life-cycle management from development through commercial products



 Mature Quality Culture • Experienced Operators and

QUALITY

Ensuring Quality Excellence

LOTTE BIOLOGICS ensures quality excellence by maintaining the same outstanding levels of quality, efficiency, and transparency long associated with the Syracuse Bio Campus. The company has successfully converted the existing quality system to fully support its CDMO operations, which will subsequently be integrated into the Songdo Bio Campus through cross-functional teams and project management units.





• Highest Quality Standards







• Data Analytics and Process Automation (i.e., PAT)





Technical Support

- 24/7 day-to-day technical strategic leadership, troubleshooting and scientific expertise
- Provide resolution of process deviations/investigations and implementation of Corrective Action/Preventative Action (CAPA)



CMC Strategy and Authorship

• CMC strategy and authorship experience developing and transferring processes and methods in-house and to CMOs



Transparency

 Engineered Transparency for CDMO Partnership (Trust,

Relationship Building) Client Engagement and

Satisfaction

ESG

Sustainable Futures

LOTTE BIOLOGICS commits to actively addressing Environmental, Social, and Governance (ESG) aspects in our business by embodying core values through specific actions and demonstrating our commitment by obtaining relevant certifications for our global campus, in line with our company

IN PROGRESS: PSCI. ISO(ISO 14001. ISO 45001). CDP. UNGC

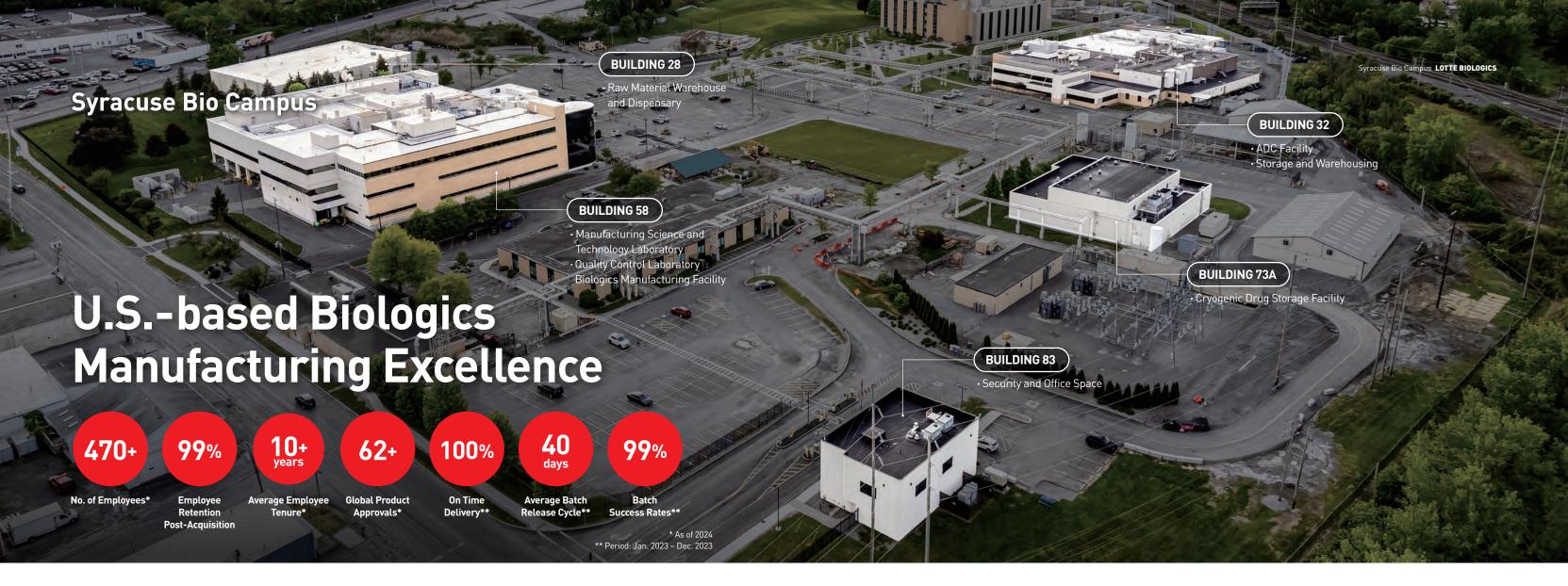
BUSINESS CONTINUITY PLAN

Seamless Continuity, Uninterrupted Service

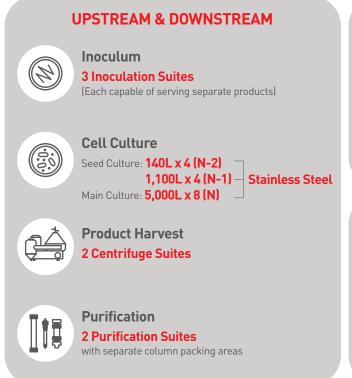
The Syracuse Bio Campus and Songdo Bio Campus function as respective contingency

- A dedicated and highly experienced team of individuals at the Syracuse Bio Campus has accumulated expertise through over 20 years of manufacturing biologics.
- The Songdo Bio Campus will begin the seamless manufacture of biologics by fully leveraging the experience and know-how of the Syracuse Bio Campus.
- Situated at geographically different locations, we ensure the provision of continuous and reliable supply along with the implementation of diverse manufacturing strategies.





Capabilities Overview

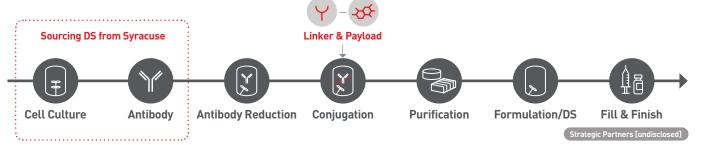




ADC Service

One Stop ADC Service

LOTTE BIOLOGICS plans to establish a one-stop ADC service through multiple modes of expertise; accumulated know-how of antibody production from LOTTE BIOLOGICS, cutting-edge ADC development/analytical services and platform technology achieved through strategic partnerships.



Strategic Partnerships

Linker-payload service With NJ*BIO

Linker-payload synthesis

• Synthetic process development and scale-up

Analytical testing

- Linker and payload testing
- Analytical characterization of ADC

Platform technology With **KANAPH**

Solubility Enhanced Linkers

- Hydrophilic linkers at liquid formation
- Highly stable ADCs

Novel Payload

- · Wide therapeutic windows with increased safety
- Optimal for linker-payload combination

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Talent Management

CURRENT TALENT

Songdo Bio Campus Leadership Profile

- Experts with related field experience
- An average of 17 years of experience in the biopharmaceutical industry

2024

- Specialty in Engineering, Validation, Manufacturing, MSAT and Quality
- Control / Quality Assurance

TALENT ACQUISITION

2025

CROSS POLLINATION PROGRAM

 \cdot Between South Korea (Headquarters, Songdo Bio Campus) and USA (Syracuse Bio Campus)

2026

Training Programs and Courses

KOREA POLYTECHNICS (LOTTE Biotech Industry Program)

• Training courses for industry-related skillsets

SYRACUSE UNIVERSITY (Bio-manufacturing Extension Program Online (BExPO))

• Establish GMP training programs for future employees of LOTTE BIOLOGICS



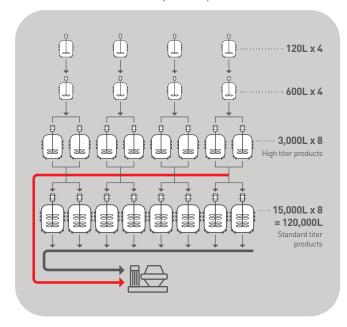
Plant 1 Bioreactor Configuration

2028

TiterFlex Quad[™] System

2027

To meet the multifaceted demands of our clients, LOTTE BIOLOGICS plans to implement the TiterFlex Quad™ System, which can facilitate both high-titer as well as standard titer production by switching N-1 bioreactors as our main culture system responsive to clients' needs.



BIO-Venture Initiative

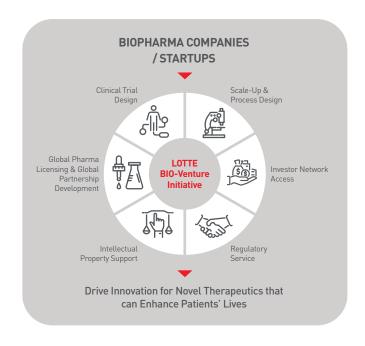
2030

DRIVING INNOVATION

2029

At LOTTE BIOLOGICS, we plan to establish a Bio-Venture Initiative to foster the growth of biotech companies and drive innovation by providing CMC technical service, networks of investors and legal service providers.

2031



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Meet Us

LOTTE BIOLOGICS, Headquarters

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LOTTE BIOLOGICS, Syracuse Bio Campus

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LOTTE BIOLOGICS, Boston Office

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