

# UniqTainers<sup>TM</sup>

Biotech Private Limited



# WHOM DO WE SERVE?

VACCINES

DRUGS

BIOSIMILARS

BIOLOGICS

REGENERATIVE MEDICINE

FERTILITY TREATMENT

PLASMIDS

CGT

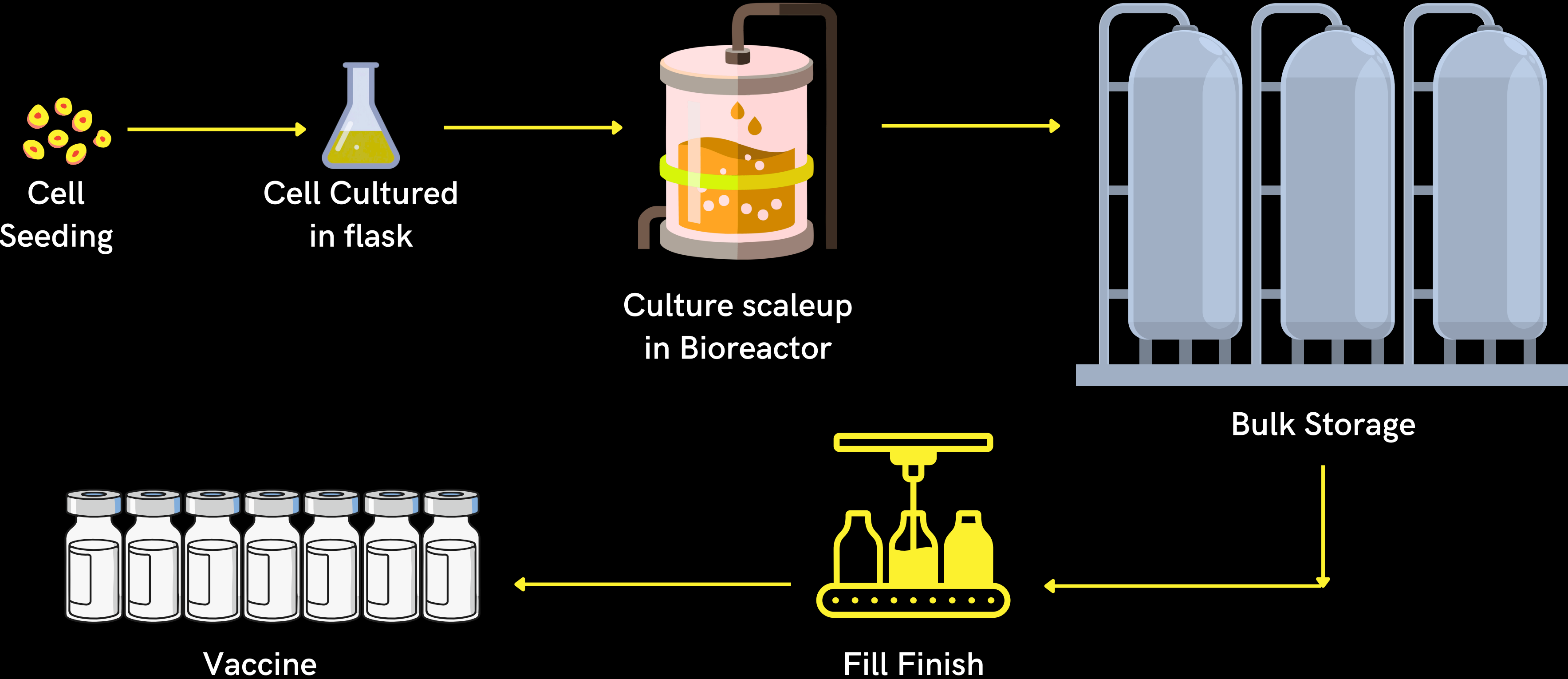
mABS

ENZYMES

NUTRACEUTICALS

CANCER THERAPY

# BASIC BIOPROCESS FLOW



# WHAT IS THE EXISTING METHOD?

**Gamma Irradiated  
PET & PETG**

**30ml - 3000ml**



**USES**

Storing  
Media

Sample  
Collection

Cell  
Harvesting

**UniQTainer<sup>®</sup>**

**Sterilized  
SS Tanks**

**100L - 5000L**



**USES**

**Purification**

**Virus  
Inactivation**

**Storing Bulk  
Vaccine**



# WHAT IS THE PROBLEM?

## CLEANING & VALIDATION FOR SS TANKS AND PETG BOTTLES



Steam Generator

WFI Plant



**DRAWBACKS**

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**High installation cost**

**High operational cost**

**Time consuming**

# WHAT IS THE PROBLEM?



The need for validating a cleaning process is amongst the top priority to guarantee adherence to federal and other regulatory standards for product approvals of our clients

# WHAT IS THE SOLUTION?

An alternative to  
**CLEANING & VALIDATION**

**UniQTainer<sup>TM</sup>**

# THE SOLUTION



**UniQTainerr<sup>TM</sup>**

**Single use 3D  
Bioprocess Bags**

**UniQTainerr<sup>TM</sup>**

# THE SOLUTION



**UniQTainerr<sup>TM</sup>**

**Single use 2D  
Bioprocess Bags**

# THE SOLUTION

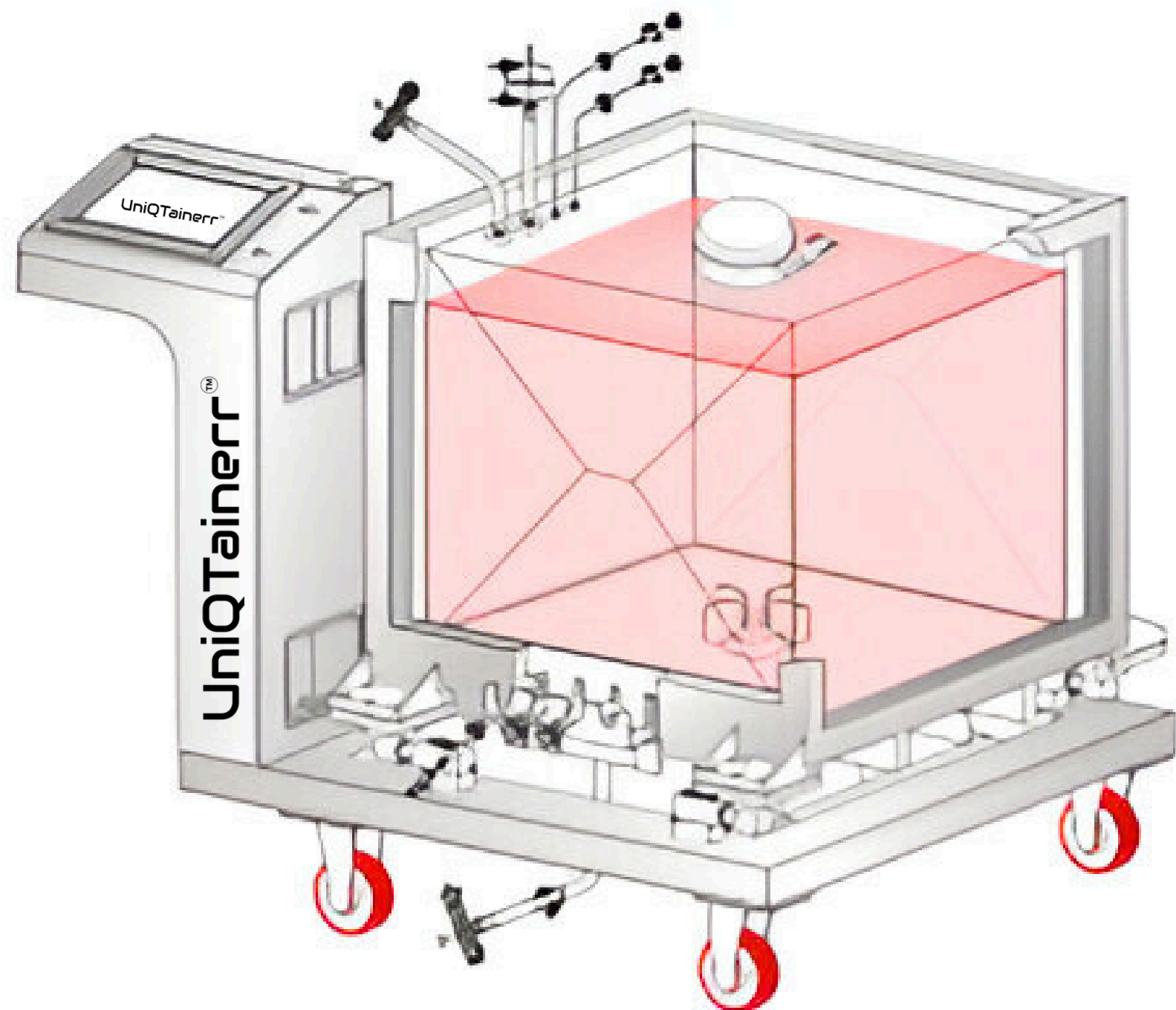


**UniQTainer<sup>TM</sup>**

**Single use Special  
application Bags**

**UniQTainer<sup>TM</sup>**

# THE SOLUTION



UniQTainerr<sup>TM</sup>

UniQMix  
Homogenizer

# THE SOLUTION

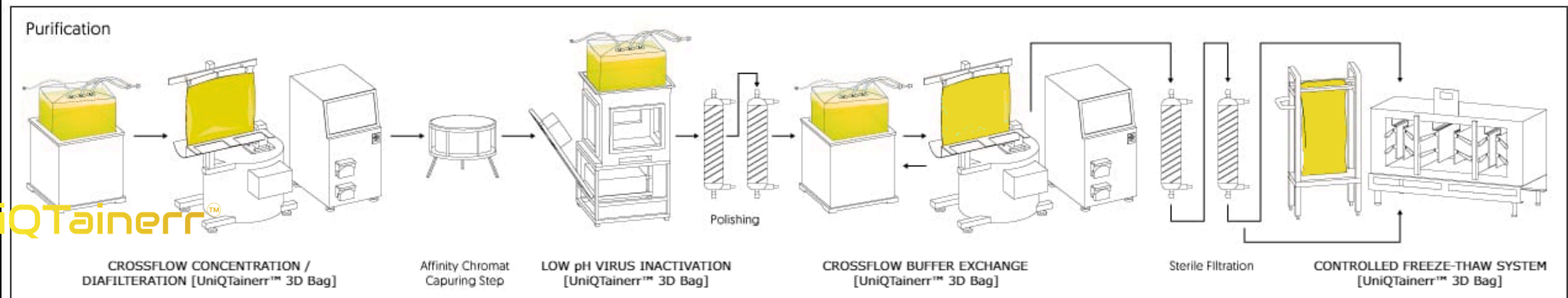
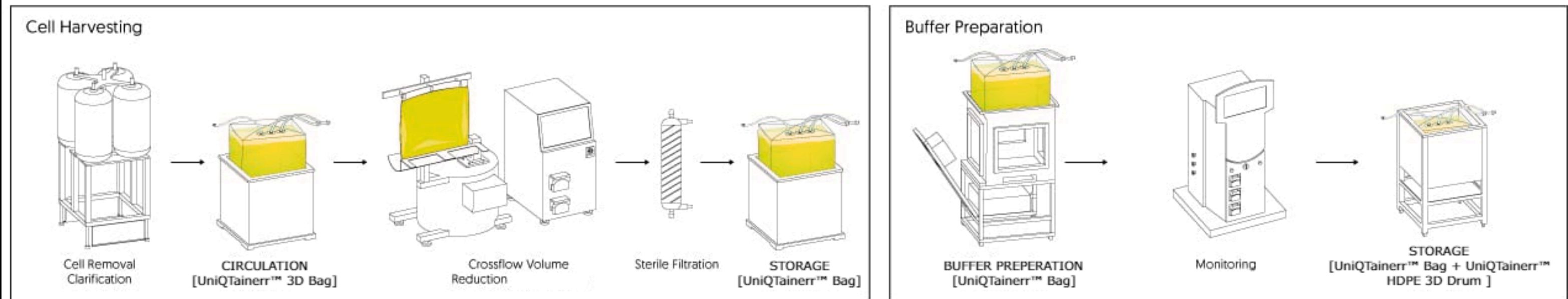
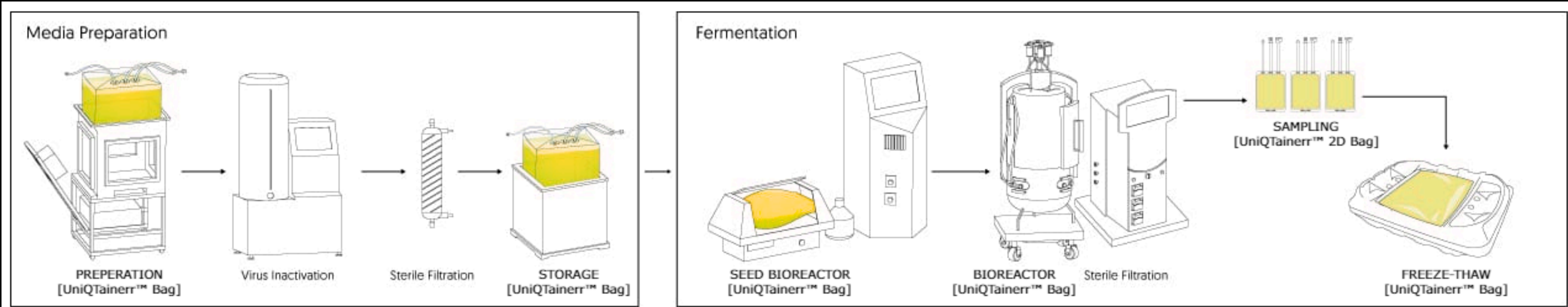
UniQTainerr<sup>TM</sup>

Bioprocess  
Membrane Filters



UniQTainerr<sup>TM</sup>

# BIOPROCESS APPLICATIONS FOR UniQTainer™ Bags





# APPLICATIONS

- Buffers & Culture media preparation, storage
- Culture media enrichment.
- Bulk Storage
- Transportation
- Sampling
- Freeze thaw and long times storage of bulk
- Filtration , purification & Fill and Finish
- Cell culture/ Harvesting /Inactivation / product intermediates storage
- Mixer bags
- Spent media & Waste collection
- Drug substance and Drug Products

# THE FOUNDER

30 years of experience in biotech and biomedical sectors, on the Business Development profile for national and multinational companies, a technocrat, an entrepreneur.

In his previous venture, he was a founding member of OmniBrx a single use bioreactor manufacturing startup. He spearheaded the company to a valuation of **INR 300 crores (INR 3 billion)** in just 6 years. His prior role as the Head India & SAARC Operations, clocked a growth of **\$96 M** from a humble **\$4 M** in 6 years.

Jayanta's vision is to establish UniQTainerr as India's first leading fully integrated single-use products provider for biotech and biopharma manufacturing in India within 5 years by 2030.

**UniQTainerr**<sup>TM</sup>



**JAYANTA DEY**

**Director  
Chief Executive Officer**

# THE TEAM



Graduate in IT from Mumbai University. 4 years of experience in 3D cell culture development market, has engaged with organization like ACTREC, Aurigene, Dr Reddy's, Manipal Group.

As COO, oversees manufacturing setup, QC/QA, R&D, and regulatory compliance. Leads development of 2D/3D bioprocess bags, filters & tubing systems under ISO 13485:2016.

**Innovator** of the flagship product unique oxygenated bag technology enabling improved gas perfusion.

Aims to create the brand recall by increasing dependecny on the end user in UniQTainerr's solutions, and thus create a behavioural shift amongst endusers in the biopharma sector.

**ABHIRUP DEY**

**Co-Founder & Chief Operating Officer**

**UniQTainerr™**

# THE TEAM



Graduate in Mechanical Engineering from Mumbai University. Techno commercial experience in B2B sales and engineering.

Has worked closely with clients to understand technical requirements and translate them into viable solutions.

Heads technical operations at UniQTainerr, where he oversees end-to-end operational responsibilities, coordination across functions, process optimization, production processes of 2D/3D bioprocess bags, filters & tubing systems under ISO 13485:2016.

Overseas strategic production and product development planning, as well as floor level optimization.

**SOUMIK CHAKRABORTY**  
Head Operations

# THE TEAM



Graduate in Hotel Management from Delhi University, with strong service, administration, and cross-industry operations experience across hospitality, aviation, education, real estate, and corporate environments.

Hands-on roles with leading organizations including Taj President, Air India Express, United 21, IR Technology, Orchids The International School, and JLL.

At UniQTainerr, she leads purchase and supply chain coordination — overseeing vendor sourcing, negotiation, cost optimization, timely procurement of raw materials and consumables, and ensuring uninterrupted production flow aligned with ISO 13485 operational standards.

Plays a critical role in cost control, supplier reliability, and operational efficiency while supporting scale-up of bioprocess bags, filters, and tubing systems.

**LANKESHNI SARDESHMUKH**  
Head Purchase

# THE TEAM



Seasoned and results-driven Sales & Marketing Leader with over 24 years of experience across Manufacturing, In-Vitro Diagnostics (IVD), Medical Services, and Bioprocess industries. Brings deep expertise in international business development, with more than 7 years of hands-on market leadership across South Asia, including Nepal, Bhutan, and Bangladesh.

Proven track record in establishing and scaling distributor networks, managing key accounts, launching new product lines, and driving sustainable market expansion.

At UniQTainerr, leads international market entry, distributor strategy, regional P&L ownership, and cross-functional coordination to accelerate global footprint across bioprocess, IVD, and allied healthcare segments.

**JOYDEEP NATH**

**Head International Business Development**

**UniQTainerr<sup>™</sup>**

# THE TEAM



Jae holds a Ph.D. in Immunology from the University of Washington and an MBA from San Diego State University.

A seasoned biopharmaceutical executive and consultant with over 20 years of experience spanning R&D to clinical development, strategic partnering and international expansion of biopharma technologies and services, with a strong track record of supporting startups and established companies in the U.S. and global markets.

As Head of North America Operations, Jae spearheads the CDMO collaborations for UniQTainerr across the American market.

She serves as Adjunct Faculty and Board Member in Biomedical Engineering at the University of Delaware and is a Senior Scientific Advisor to USciences and LIMR.

**DR. JAE SLY**

**Head North America**

**UniQTainerr™**

# THE TEAM



John is a graduate in Clinical Chemistry from Hogeschool Saxion . Has lead sales distribution channels for MNCs like Alfa Wassermann, Werfen, Accriva.

Sales Managing specialist within the Medical Diagnostic market with close to 15 years of (international) experience. Having uphold several positions with several companies managing product groups in the consumer segment, professional segment as well the B2B segment.

During his professional development, John excelled in the growing responsibilities assigned, resulting in personal attributes such as analytical skills, assertiveness, attentiveness and being highly result orientated. John always conducted his duties in an energetic, motivated and productive manner.

John leads UniQTainerr into the heart of Europe via The Netherlands.

**JOHN ZANDBERGEN**  
Head Europe

# THE BOARD



**RENUKA BARDHAN**  
Director & Chairwoman



**JAYANTA DEY**  
Director

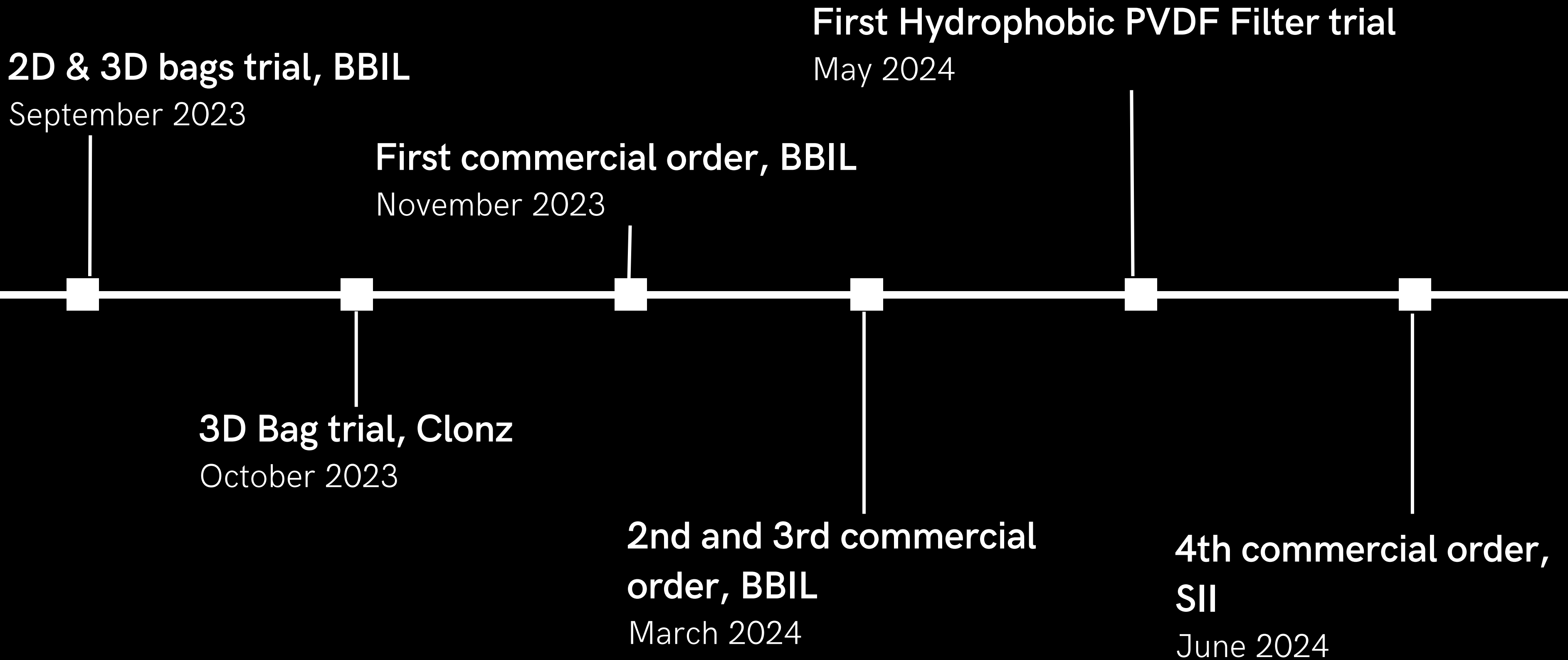


**ABHIRUP DEY**  
Director

# OUR JOURNEY



# OUR JOURNEY



# OUR JOURNEY

**UniQTainerr Biotech Private limited  
incorporation**

June 2024

**First mixing solution design  
and storage rack ideation**

June 2024

**13,000 sq+ ft  
plant acquired**

June 2024

**Startup Certification**

July 2024

**Engineering Batch request, BBIL**

July 2024

**Customization of  
plant Machinery with  
Indian companies**

December 2024

# OUR JOURNEY

**Engineering Batch Request, SII**

January 2025

**Commissioning the facility**

June 2025

**Concentualization of UniQCellX**

October 2025

**Establishment of early team and Quality Management System**

April 2025

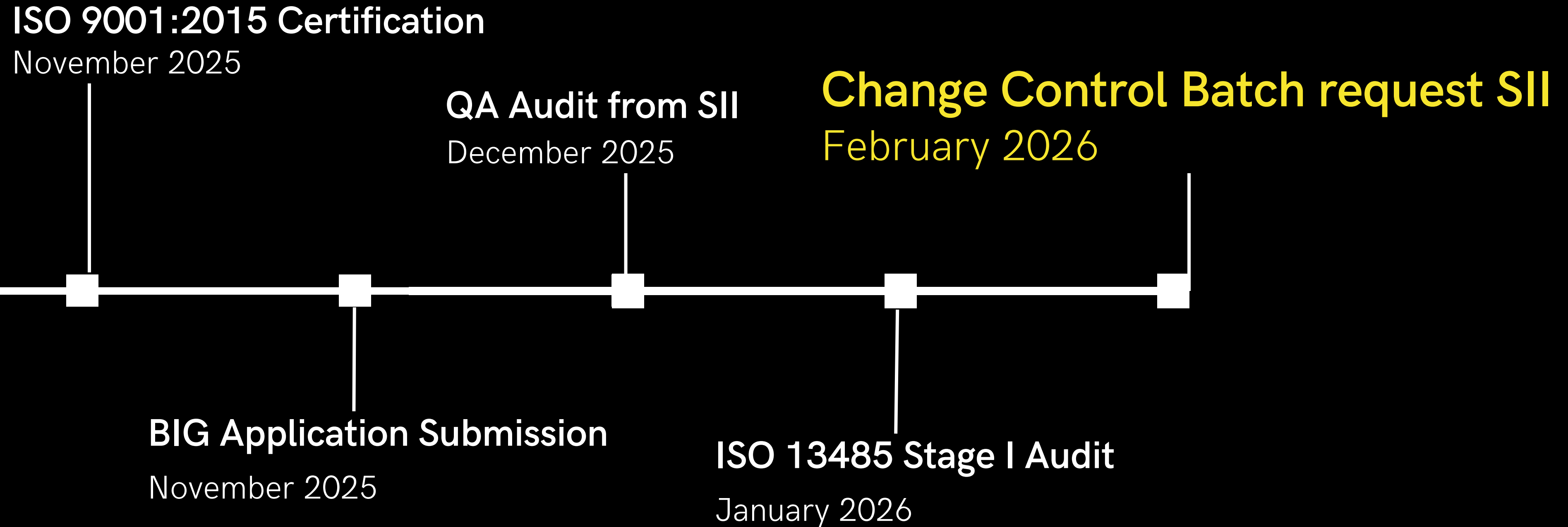
**Invitation from Netherlands Foreign Investment Agency**

July 2025

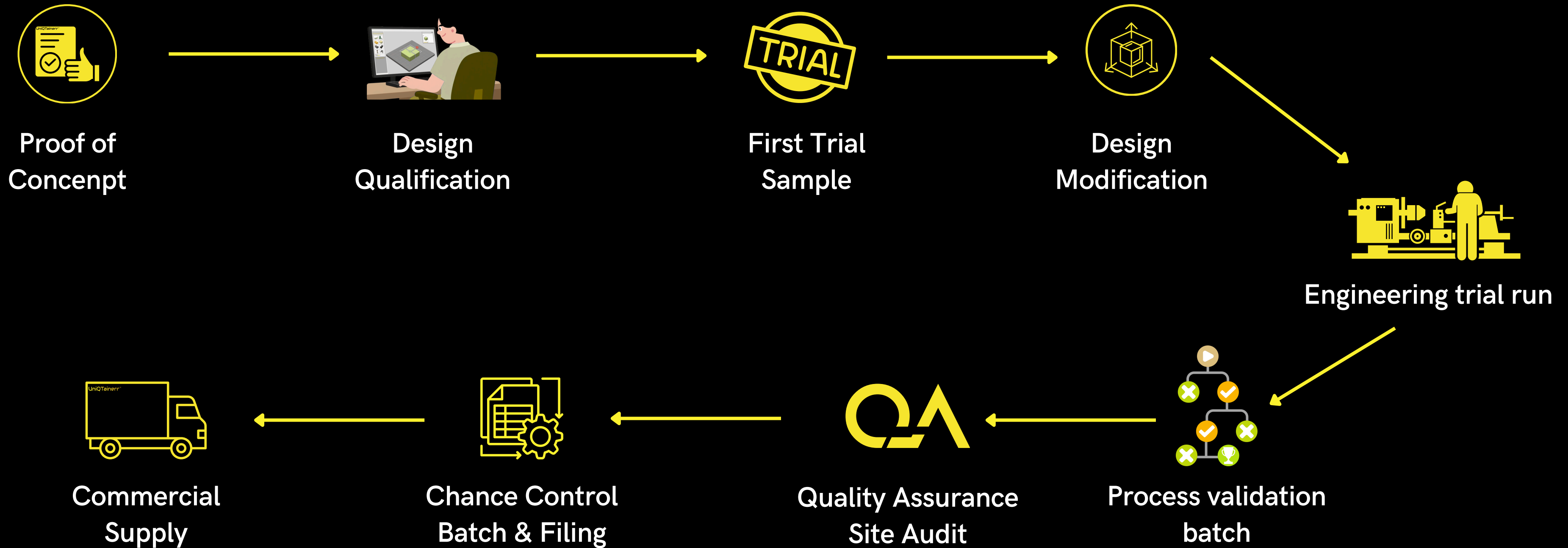
**Production Department Audit from SII**

November 2025

# OUR JOURNEY



# Single Use Sales Life Cycle



# Present Engagement

Commercial Supply

Change Control Batch & Filing

Quality Assurance Site Audit

Process validation batch

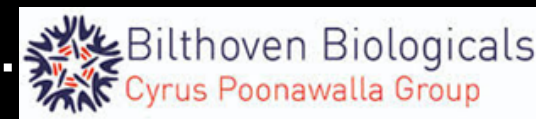
Engineering trial run

Design Modification

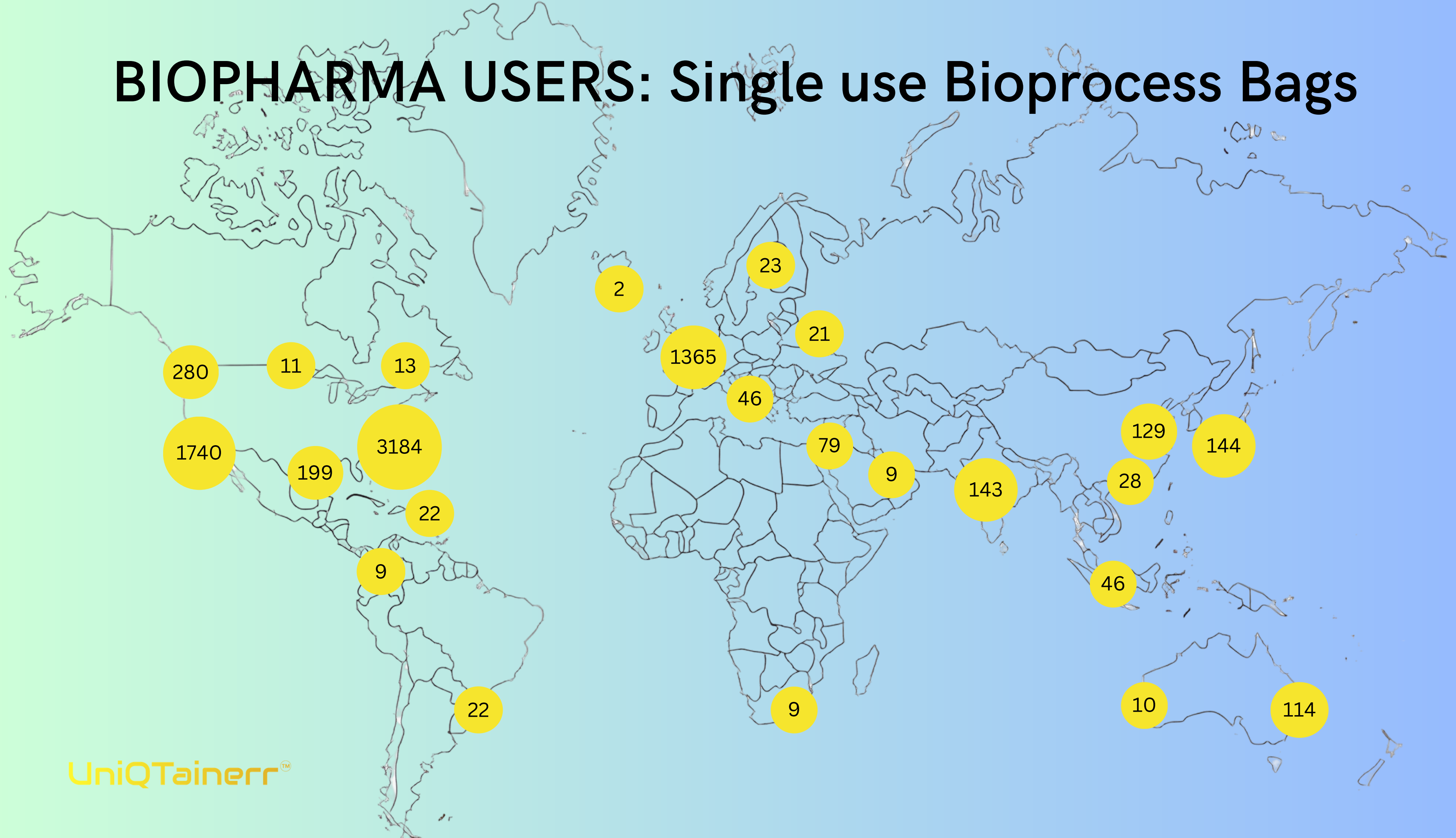
First Trial Sample

Design Qualification

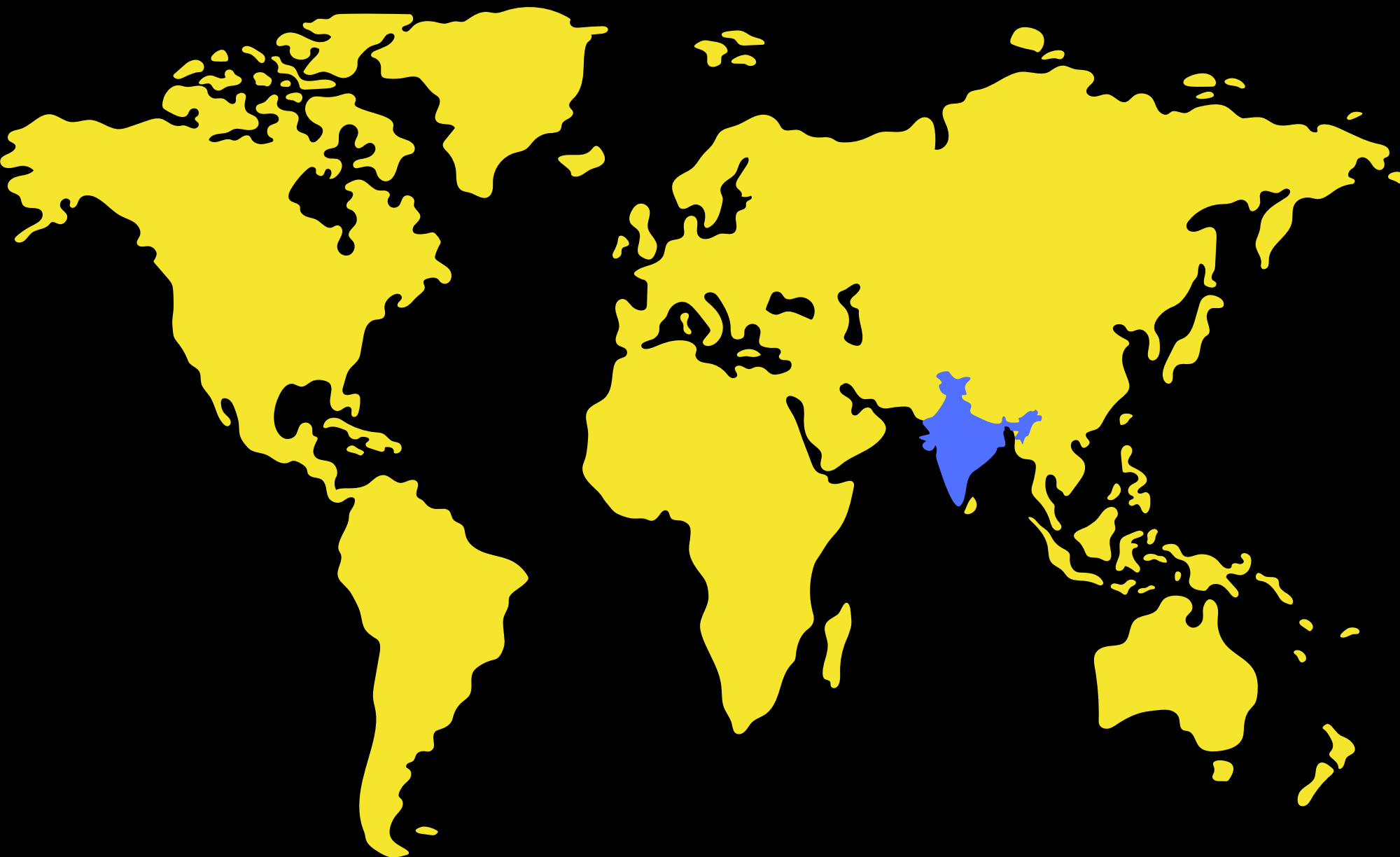
Proof of Concept



# BIOPHARMA USERS: Single use Bioprocess Bags



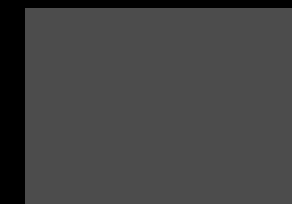
# THE MARKET: Single use Bioprocess Bags



**USD 4.8 Billion**

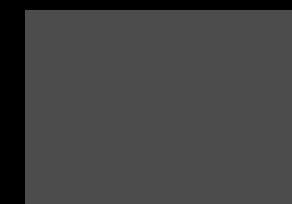


**USD 246 Million**



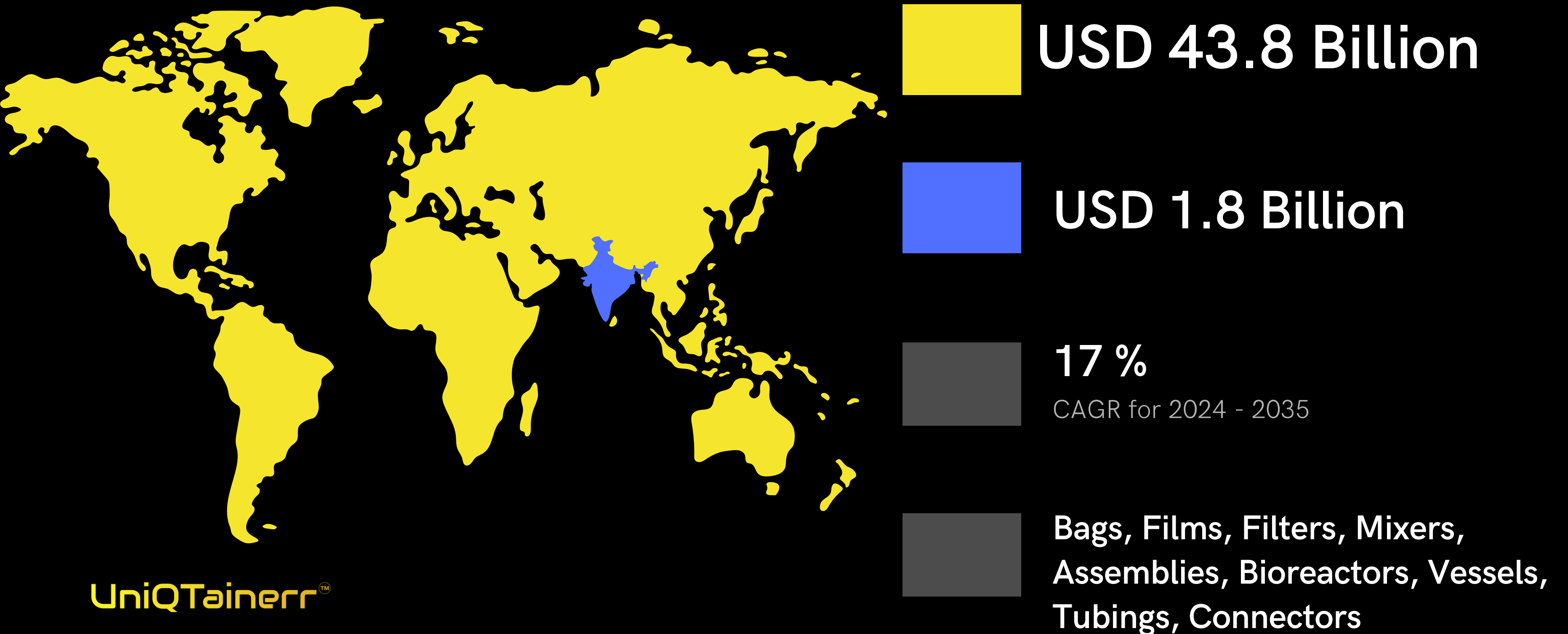
**17 %**

CAGR for 2024 - 2035

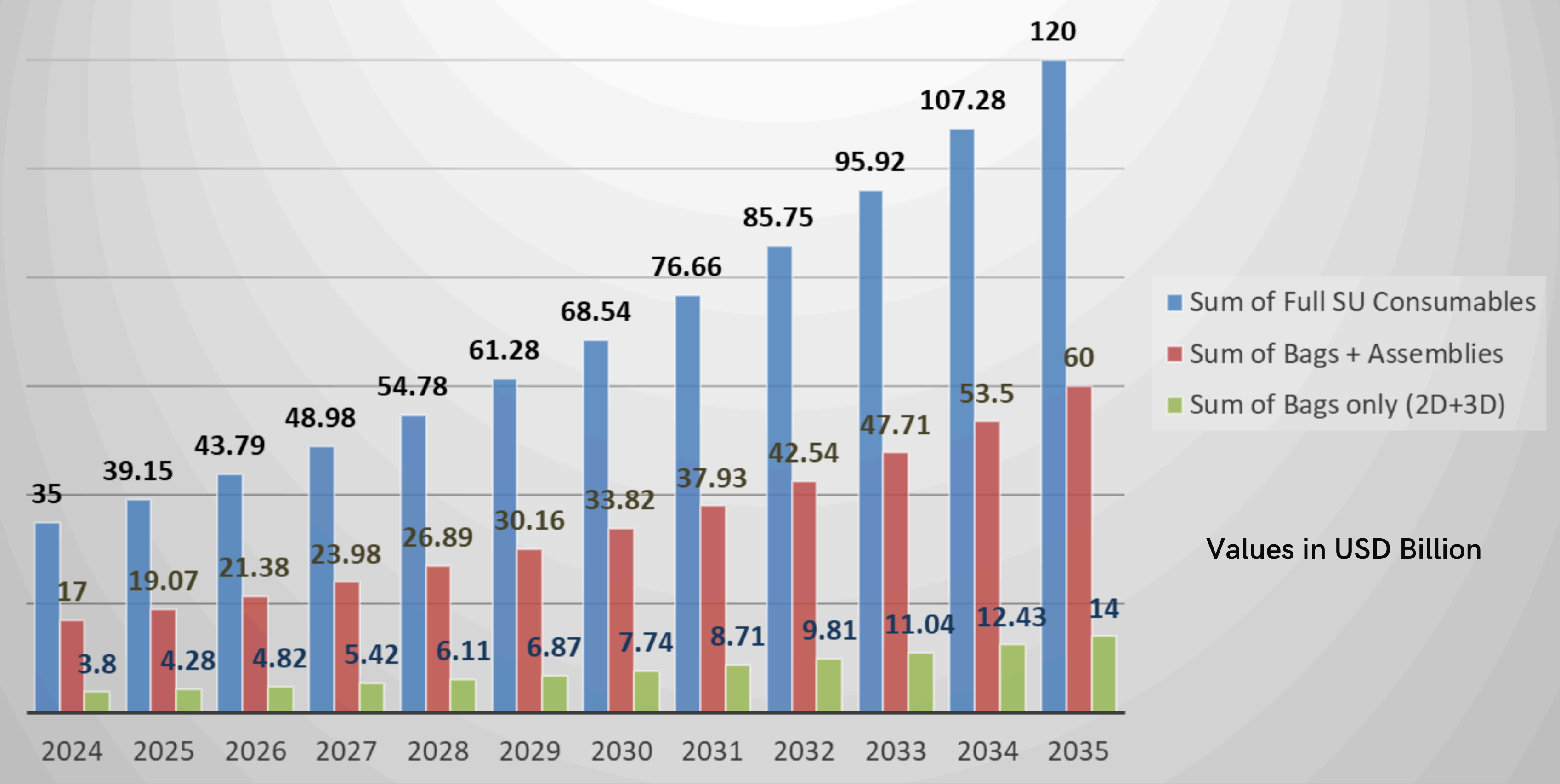


**2D & 3D Bioprocess Bags**

# THE MARKET: Single use Bioprocess Solutions



# The Growth of the Global TAM



# Why is UniQTainerr Unique

**UniQTainerr**<sup>TM</sup>

MDI | Ami Polymer | PharmNXt | CellBios |  
V&W Biotech | Nuopore | Tofflon |

Time taken for  
launching MVP

**1 YEAR**

**3 - 5 YEARS**

Team Size for  
launching MVP

**4**

**30 - 40**

Funds infused for  
launching MVP

**0.6 Crores**

**30 - 40 Crores**

**UniQTainerr**<sup>TM</sup>

# Why is UniQTainerr Unique

Resources for commercial operation

**UniQTainerr™**

MDI | Ami Polymer | PharmNXt | CellBios |  
V&W Biotech | Nuopore | Tofflon |

Time taken

**2 YEAR**

3 - 5 YEARS

Team Size

**15**

50+

Funds infused

**8 Crores**

30 - 40 Crores

**UniQTainerr™**

# UT1 Facility

3D Elevation



# ISO Class 7 Clean Room



# ISO Class 7 Clean Room



# ISO Class 7 Clean Room



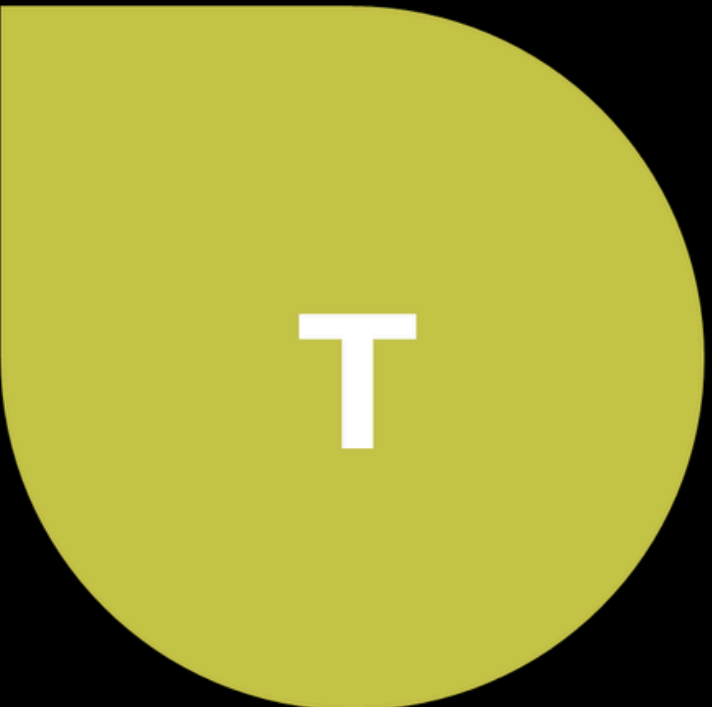
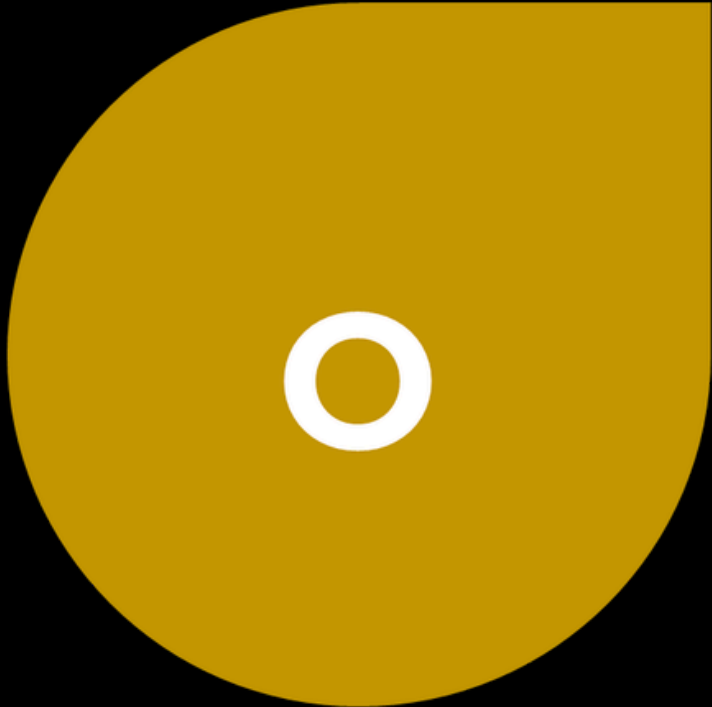
# S.W.O.T ANALYSIS

Strength



Weakness

Opportunity



Threats

## STRENGTH



Connected to Decision makers of Prospective Clients



Customization expertise for bioprocess



International grade Quality



Active & Comprehensive Competitive Intelligence



Dynamic, Competitive Price



Understanding of the challenges encountered by the Scientists & engineering teams in bioprocess

## WEAKNESS

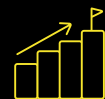


Importing films and consumables which attributes to high production costs

## OPPORTUNITY



Initiate manufacturing of film and consumables in India to lower production costs and maintain the quality as per international standards



Growing Indian & global market in our favour



New opportunities for New product development and cross selling, which is the key for gaining preference over competition (Barrier created for competitors)

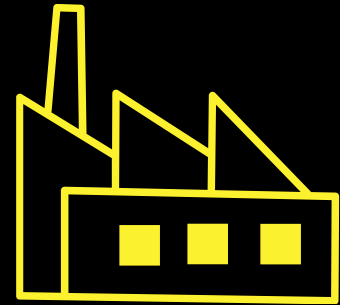
**UniQTainerr™**

## THREAT

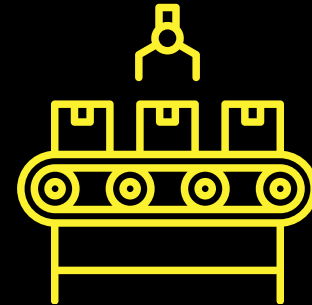


More than INR 50 crores invested by other single use manufacturers, there is a need for rapid investment and ramping up

# UniQTainerr Today



13,200+ sq ft facility



6800+ units/month production capacity



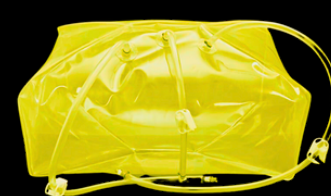
2000+ sq ft clean room



ISO 9001:2015 Certification



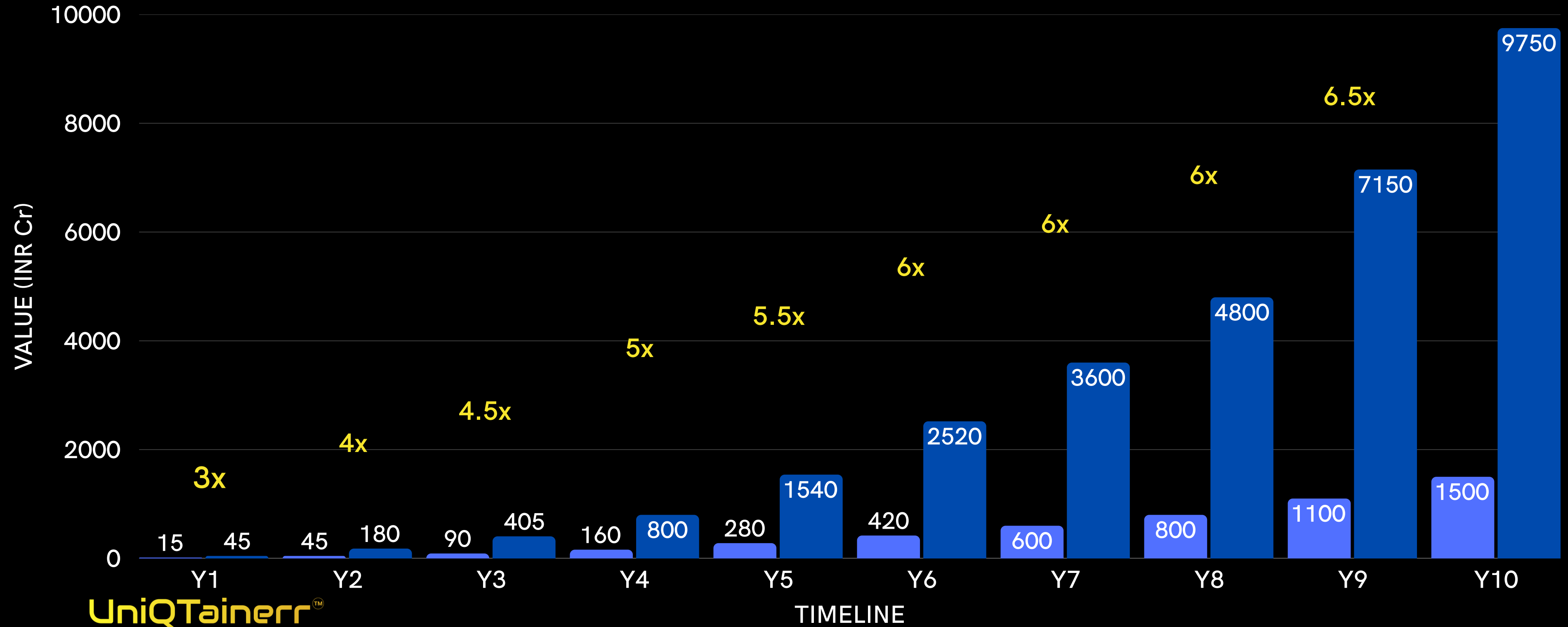
15 member team



3 unique SKUs

# Valuation Expansion(Growth Ramp)

● Revenue ● Valuation ● Revenue multiple



# INVESTMENT

Proposed Raise : ₹30 Cr

# Utilization of Investment



Working Capital Optimization



Capacity enhancement and scale up



Regulatory Compliance Strengthening



Global Market Expansion



Debt reduction to improve cash flow



Eliminate import dependency for RM

# Downside Protection

Year 7 conservative revenue: ₹380 Cr

4× multiple:

Valuation = ₹1,520 Cr

**5× RETURN**

Outcome

5× or 400% return on downside

Capital protected by revenue scale

# Upside Asymmetry

Year 7 growth revenue: ₹600 Cr

At 6× multiple:

Valuation = ₹3,600 Cr

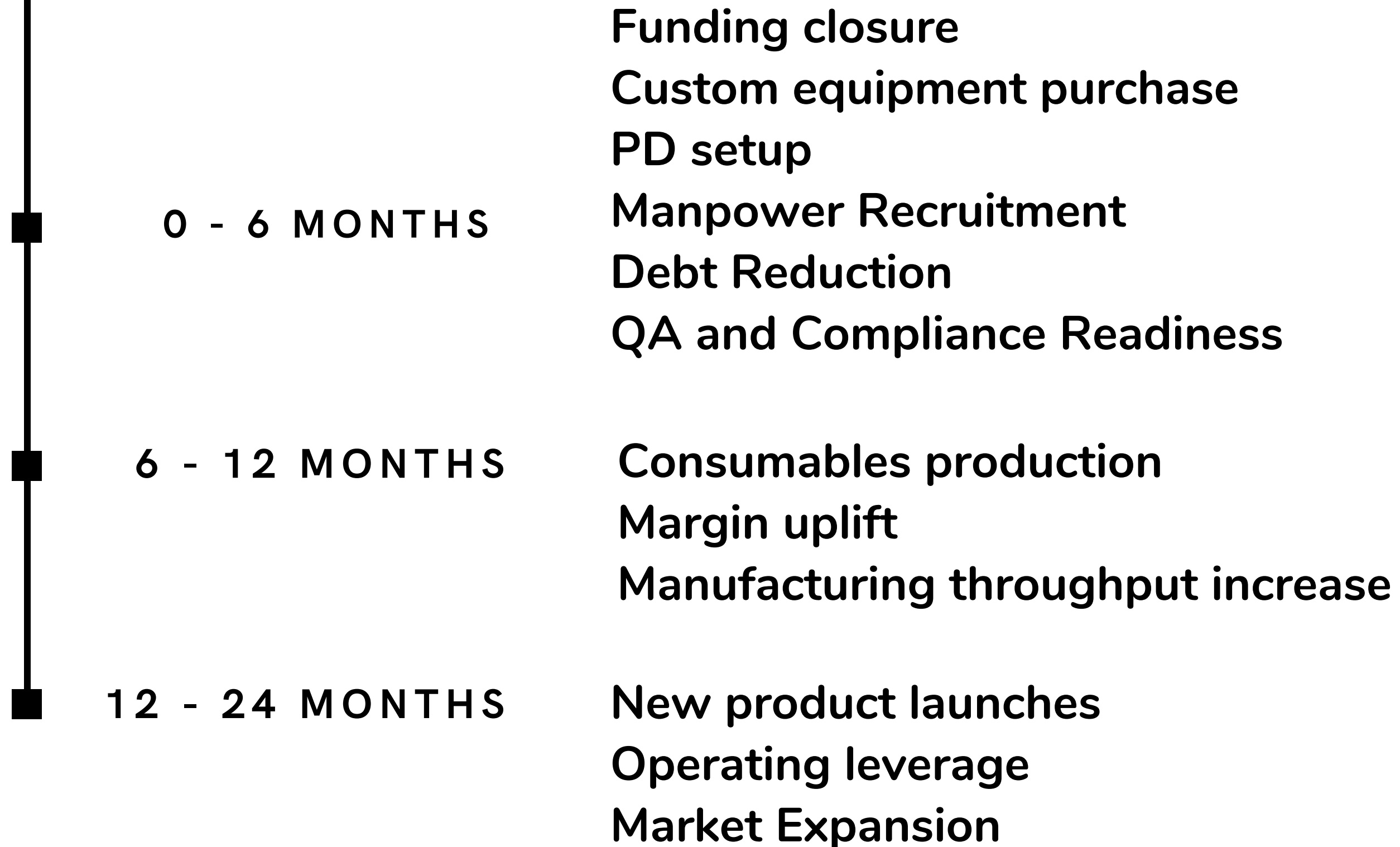
Outcome

12× or 1100% return from ₹300 Cr entry

Further upside beyond Year 7

12× RETURN

# FUND UTILIZATION: Future Roadmap



# THE FUTURE

Worlds Biggest Integrated Single Use Bioprocess  
Products Manufacturing Plant in 10 years



**5,00,000 SQ FT**

World's Largest Integrated  
Single-Use Bioprocess Products  
Manufacturing Plant



**100% AUTOMATED**

Fully Integrated | Lights-Out  
Smart Manufacturing



**SUSTAINABLE BY DESIGN**

Net-Zero Ready | Green Energy  
Water & Waste Innovation



**BUILT FOR THE FUTURE**

Scalable | Intelligent | Global  
Setting New Industry Benchmarks



**UniQTainerr®**  
World's Largest Integrated  
Single-Use Bioprocess Plant  
Manufacturing Plant

# INDUSTRIES THAT NEVER SLEEP



Defence



Healthcare



Banking

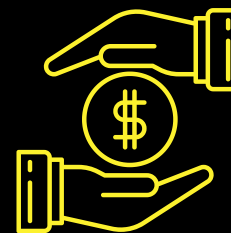
# INVESTMENT TAKEAWAY



Entry at risk-adjusted valuation



Conservative revenue ramp justifies price



Strong downside protection



Large asymmetric upside

# INVESTMENT TAKEAWAY

We welcome you onboard to the  
journey of becoming the backbone of  
Indian Biologic Sector



UniqTainer<sup>TM</sup>

*Revolutionizing Tomorrow with Single-Use Precision*



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**UniQTainerr™**