



**MetaTech**  
三顧股份有限公司

**Stock Code: 3224**

# METATECH (AP) INC. Investor Conference

2023/11/30

# Disclaimer

The contents of this presentation and related information are the information collected by the company from various prior documents.

The Company is dedicated to the future development. The actual results of operations, financial condition and business achievement may differ from the forecasted information. This may be due to risk factors that are not expected to be captured by market conditions.

The future development described in this presentation is based on the judgment of market information and the development of the Group's business strategy. The Company is not responsible for alerting or updating for future development as it may be adjusted with the market trend.

# Outline

1

**Company Profile**

2

**MetaTech's Proprietary  
Technological Development**

3

**MetaTech's BIOMED  
Digitization Strategy**



# 01. Company Profile





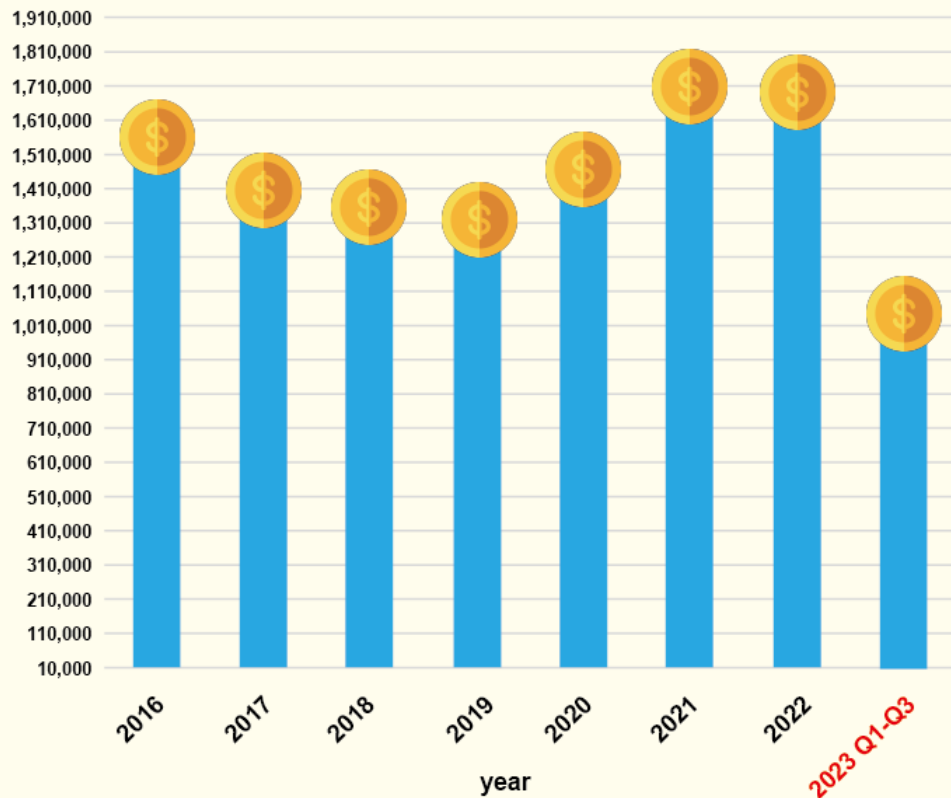
# Electronics Department Performance

2016-2023 Q3



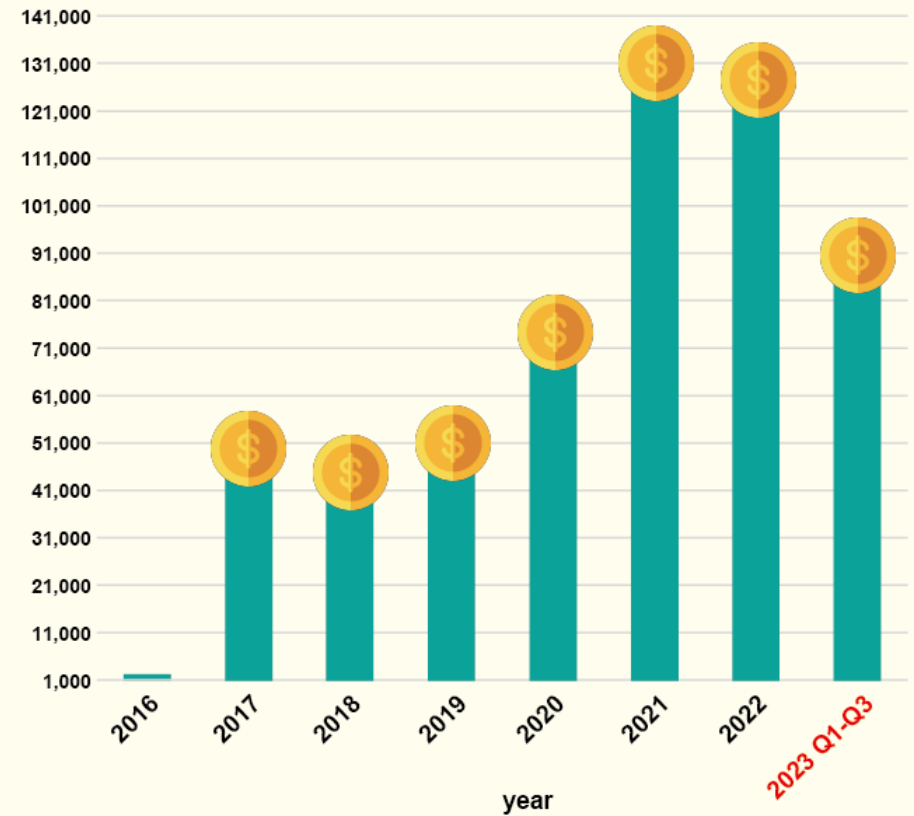
## Revenue

Unit: 1000NTD



## Performance

Unit: 1000NTD



## Stable Corporate Governance





**02.**

**MetaTech's  
Proprietary  
Technological  
Development**

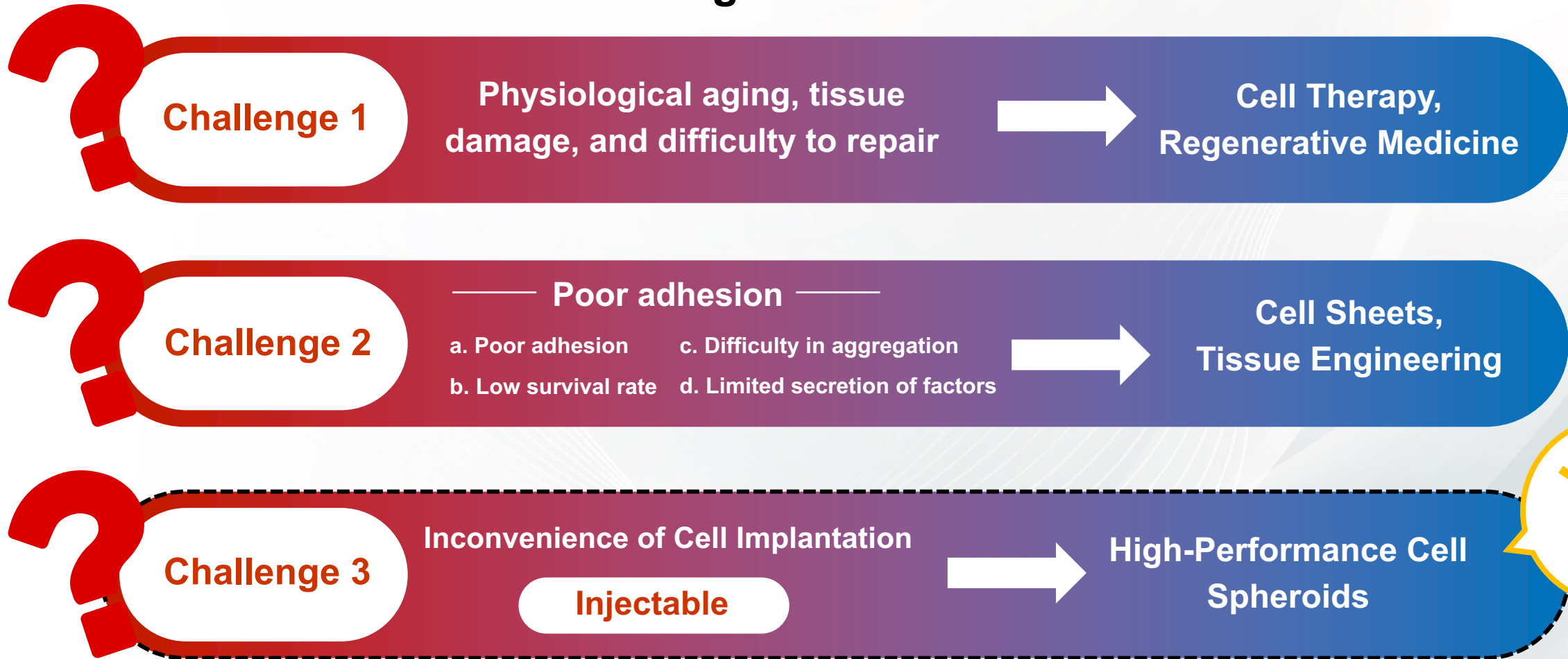


# MetaTech's Proprietary Technological High-Performance Cell Spheroids



## Challenge

## Solution

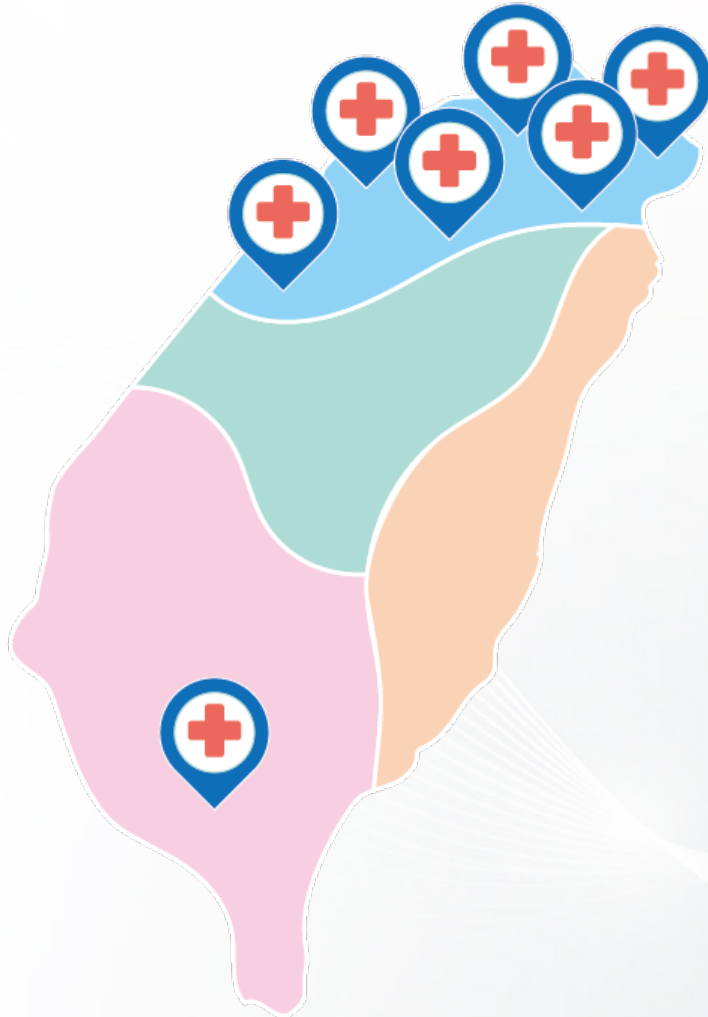






# Collaborating Beauty Clinics

The **red text** indicates the currently approved applications



**Aphrodite Ritz Clinic**



**Taipei JourdenWell Aesthetic Clinic**



**Beauté J'adore Aesthetic Medicine**



**Le Renouveau Aesthetic Clinic**



**Arsty Aesthetic Plastic Clinic**



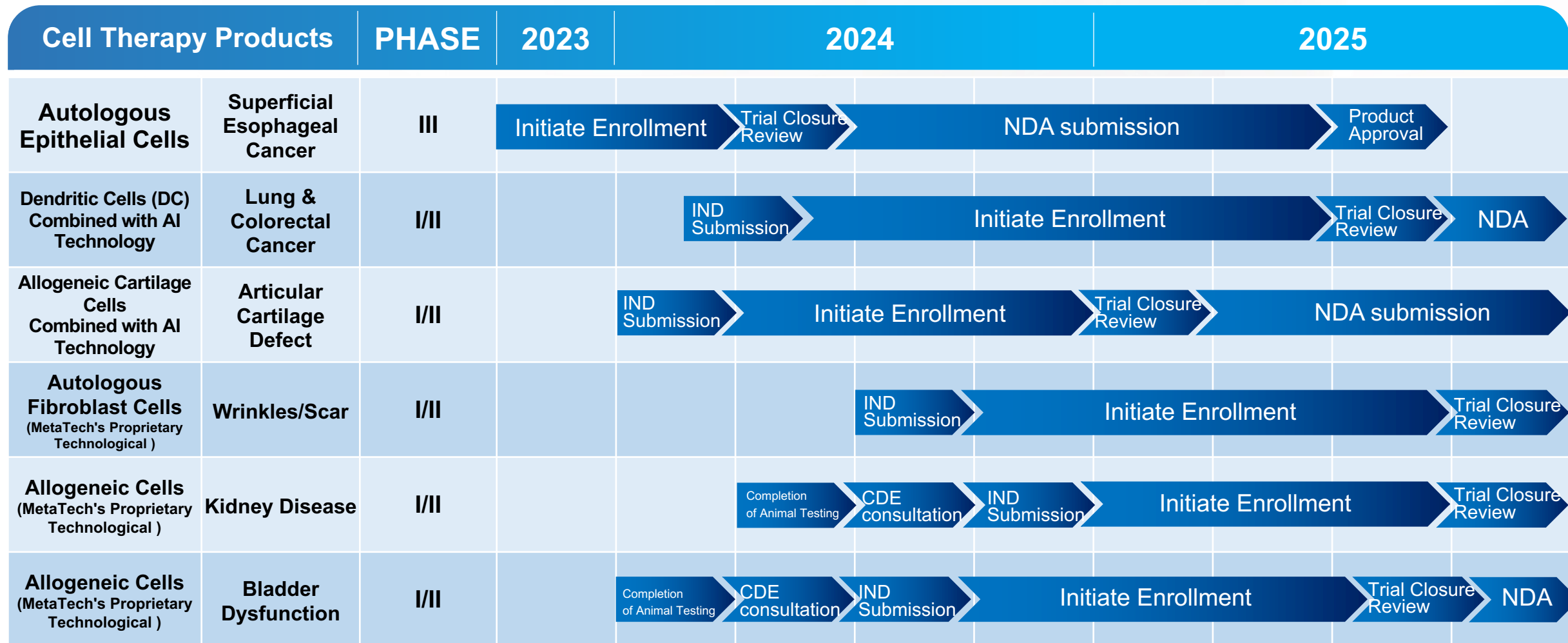
**Chang-Geng Medical Foundation  
Chang-Geng Clinic**



**Espremium Aesthetic Clinic**



# The Expected Progress of Clinical Trials



**03.**

**MetaTech  
BIOMED  
Digitization  
Strategy**





# Why We Pursue GMP



In alignment with international pharmaceutical standards. We are expanding Taiwan's global medical perspective by introducing foreign products for the benefit of our citizens



ATMP is stably produced in compliance with GMP standards to ensure patient safety and contribute to the well-being of patients



Adhering to GMP quality requirements, implementing various validations and system verifications to ensure the sterility and quality of ATMP (Advanced Therapy Medicinal Products)



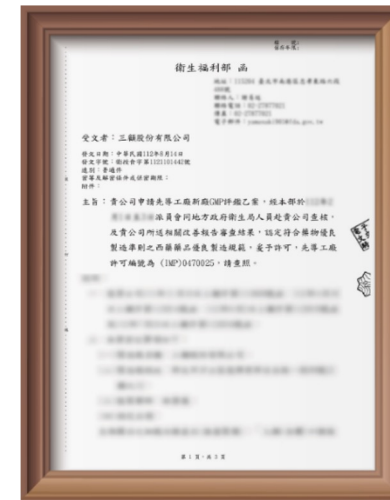
Utilizing digital technology trends to overcome the specificity limitations and manufacturing challenges of ATMP, enhancing process optimization to maintain batch consistency, and enabling real-time quality monitoring



# The Next Step of GMP – Digitalized Factory



## The first PIC/S GMP Cell Pilot Factory in Taiwan



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# Overcome the Challenges of Cell Factories Through Digitization

**Heavily hand made**

**High cost of small-scale production**

**Diverse manufacturing processes**

**Ineffective shipping schedules and schedule management**

**Time-consuming optimization process**

**Ineffective shipping schedules and schedule management**

**Challenges in training**

**Requires additional manpower for training**

1. In a highly controlled environment certified by PIC/S GMP, utilizing existing data from man, machine, material, method, and environment. Computing / feeding / training to develop the optimal algorithms that aid in decision-making.
2. Utilizing the optimal algorithms to assist the entire factory process and laboratory in identifying the best decision recommendations, thereby reducing overall production costs, addressing scheduling issues, continually optimizing processes, and optimizing efficient personnel training methods.
3. Visual platform for displaying analysis, predictive results, and solutions.
4. Cloud platforms providing digital twin services based on optimal algorithms.

# MetaTech Group Digital Transformation Strategy



## Upgrade and transform

Digitization + Automation + Intelligence



**Near term**

CPC AI and Digital Twin

## Cross-domain

Integration: Biotechnology + Information and Communication Technology + Medical Engineering Technology



**Mid-term**

Comprehensive Facility Intelligence Expansion

## Creating Win-Win

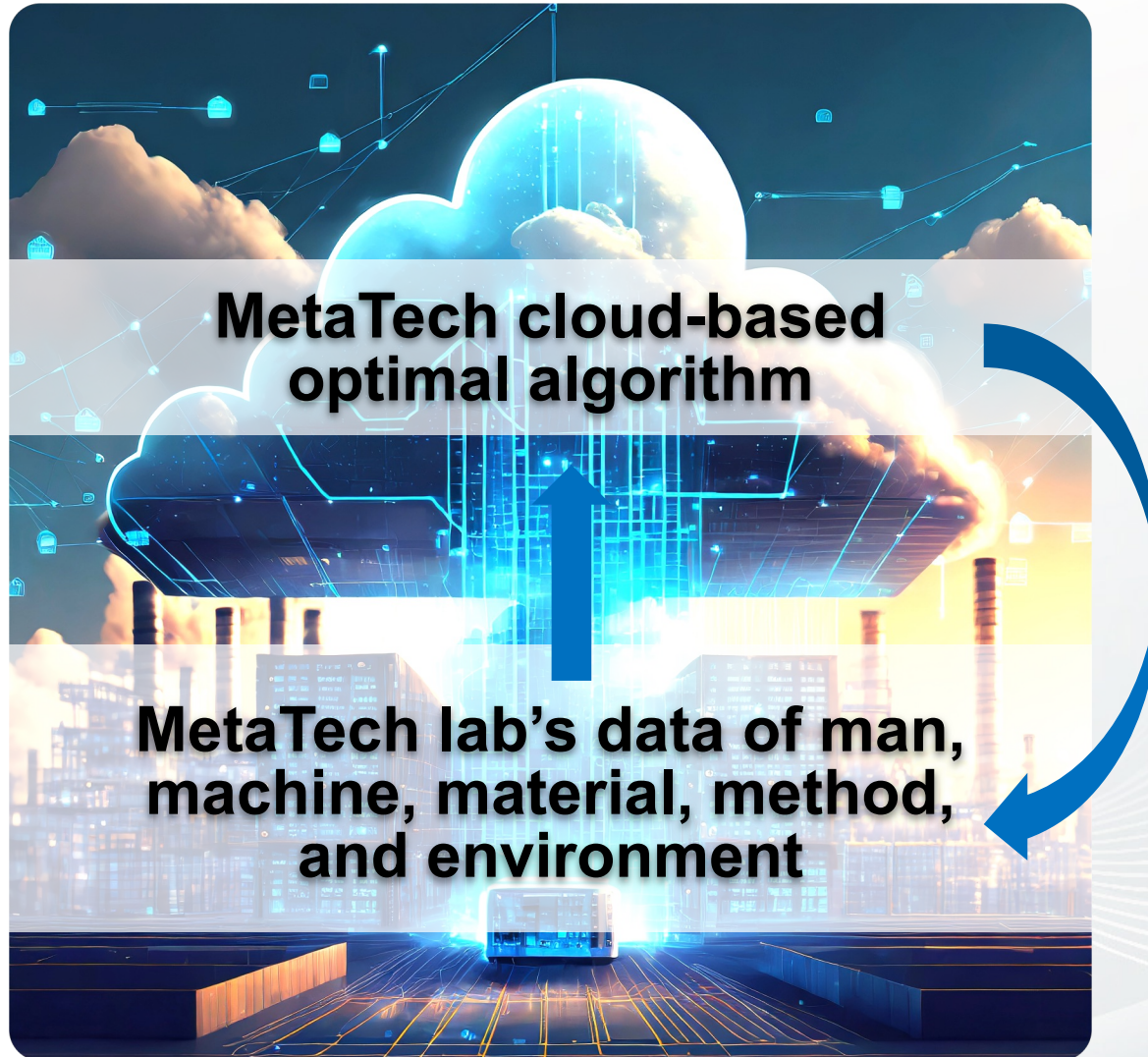
MetaTech Group + Domestic Strategic Partners + International Strategic Partners



**Long term**

Integrated, Intelligent, inter-CDMO, international Cloud service





## STEP1

Uploading data of man, machine, material, method, and environment and store on high-performance cloud servers.

## STEP2

Compute / feed / train to develop the optimal algorithm that aids decision-making.

## STEP3

Utilize decision solutions generated through the optimal algorithm, communicate with process personnel for further experiment, and verification. Continuously optimize the optimal algorithm to become an 'immersive human-machine interaction optimization system,' facilitating ongoing communication and collaboration between the digital factory superintendent and the physical factory superintendent.

# Concept of Digital Twin

Physical space

Physical factory superintendent



Virtual space

Digital factory superintendent

Sensing and Operational Data

Information, Procedures, Results and Decisions



Visualization



Analysis/Diagnosis



Evaluation and Prediction/What if Analysis



Optimal Decision Making Support



# MetaTech Digital Twin Technologies



**AI-based optimal automated intelligent scheduler**



**AI-based recognition and analysis of hand movements system**



**AI-based automated cell microscopic imaging and analysis system.**



**AI-based automated process parameter Inference and optimization system**



**AI-based process performance prediction system**





**AI-based measurement system for 3D bone and articular cartilage**



## Allogeneic Chondrocytes



**Precision Therapy**



**Enhancing Therapeutic Efficacy**



**Post-treatment Monitoring**

# First Cell Therapy Combined with AI in Taiwan-in GMP Facility



Acer and MetaTech collaborated on DC therapy through AI and cell manufacturing



Combining AI

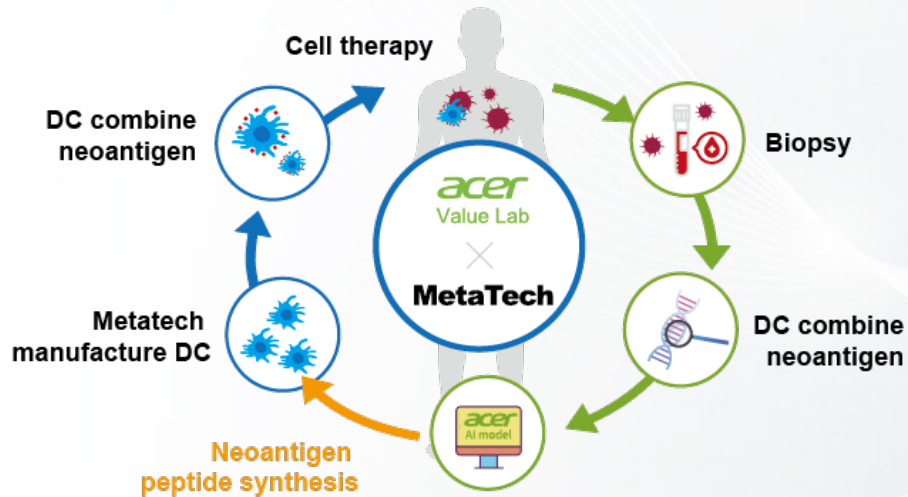


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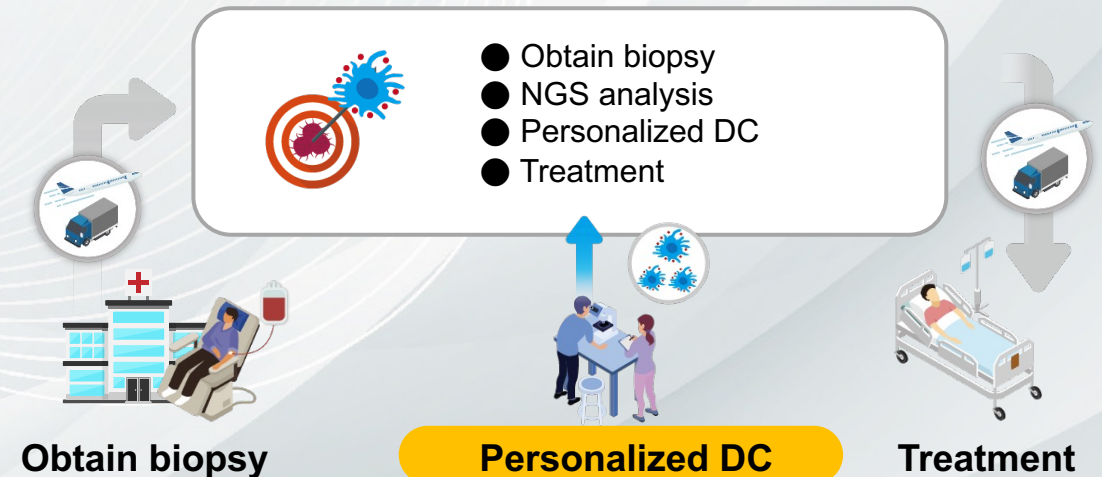


Lung and Colorectal Cancer clinical study

## Combining with AI process



## Precision Therapy



The background features a hand reaching towards a glowing digital interface. The interface consists of several glowing hexagonal shapes, some containing icons like a heart and a pulse line. A large, bright, circular digital graphic is visible on the right side, with a hand's finger pointing towards it. The overall color scheme is light blue and white, with a soft glow effect.

**We are a technology-based company specializing in regenerative medicine.**





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**THANK YOU**