Confidential

# JNPMEDI Company Introduction

## C-Suite Material

Global Business Planning at JNPMEDI Inc.

Nov. 2025

JNPMEDI

# Your Partner for Journey to the Next Phase

## Company Profile

JNPMEDI is a leading Life Science RDC[1] Company that has developed the Maven® data platform to maximize both efficiency and effectiveness in the healthcare and clinical trial sectors. With this platform, we offer comprehensive professional services across the pharmaceutical and biotech industries, driving innovation and facilitating transformation within the sector.

## Building Infrastructure for a Healthier Future

Founded in 2020, JNPMEDI is dedicated to advancing the life science infrastructure in Korea through digital technology, with the goal of expanding its reach to the global market and ensuring that tis benefits are accessible worldwide.

With expertise in management consulting, legal advisory, digital innovation, and the clinical and pharmaceutical industries, we are not only addressing the diverse needs of the industry, but also actively driving positive change.

| | | | |
|---|---|---|---|
| **Company** | JNPMEDI Inc. | **CEO** | Kwunho Jeong |
| **Founded** | 2020 | **Employees** | 140+ |
| **Address** | **(HQ)**<br>31F, Posco Tower Songdo, 165 Convensia-daero, Yeonsu-gu, Incheon, South Korea | | |
| | **(Seoul Office)**<br>7F, KCCI, 39, Sejong-daero, Jung-gu, Seoul, South Korea | | |
| **Focus** | Pharmaceutical/medical device clinical trial consulting, pharmacovigilance, regulatory approval, and clinical trial data management solutions | | |

1. Research, Development, and Commercialization





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# Our History

## ~ 2021

- Foundation of JNPMEDI Inc.
- Launched ‘Maven CDMS’, a clinical data management solution
- MOU signed with Bundang CHA Hospital Global Trial Center for new drug development
- MOU signed with LSK Global PS to advance the medical data platform
- Secured 2 Billion w
- W in seed investment from Kakao Ventures and other investors

## 2022

- First company in Korea to join DTRA[1]
- Maven CDMS became the first in Korea to receive WHODrug B3/C3 approval
- ISO 27001/27799 certification
- Launched ‘Maven Docs’, a clinical trial document management solution
- Secured 14 M USD in Series A funding from Pavilion Capital and other investors

## 2023

- CDISC[2] Platinum membership
- ISO/IEC 27701 certification
- Completed Korea’s first-ever DCT[3] for ‘WELT-I’s approval as an insomnia digital medical therapeutic
- Launched 'Maven Safety’, a PV management solution
- Launched ’Maven eRecruitment’, an online platform for clinical trial recruitment

## 2024

- Launched 'Maven Builder’, a clinical database design solution
- Established JNPMEDI Partners, a life science VC, to support early growth of biotech and medtech
- Launched 'Maven VDR’, a virtual data room for the pharma L/O and investment
- Launched 'FDA Expert Solution’, a consulting service for FDA approval
- Launched 'Maven Coder Express’, a medical coding solution powered by generative AI

## 2025

- Launched ‘Maven TMF’ a trial master file
- Launched ‘Maven Converter’ an SDTM[4] data transformation solution
- Selected as Technical Advisor for the “2025 Rookie League of the Ministry of SMEs and Startups Fund-of-Funds First Regular Investment Program”
- Secured strategic investment from NAVER and TBT Partners

1. Decentralized Trials & Research Alliance; 2. Clinical Data Interchange Standard Consortium; 3. Decentralized Clinical Trial





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# Our Corporate Values

## Client Value First

Enable clients with best-in-class solutions and professional services at unrivaled value

## Integrity at Heart

Value ethics and honesty with every decision, acting responsibly and impartially regardless of the situation

## Socially Responsible

Pursue the obligation to enhance the global healthcare environment with the development of technology





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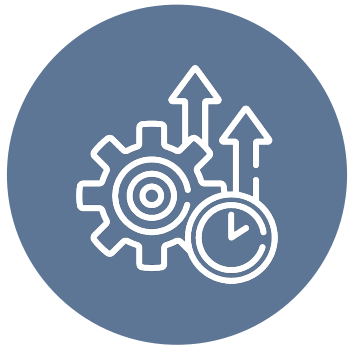
## Pharma, biotech, and medical device companies face three primary hurdles in successfully advancing product development and commercialization: funding, clinical trials, and regulatory approval

### Clinical Trial Pain Points

#### Funding

- Securing investment and funding for clinical trials which can range from billions to trillions of KRW, remains a significant hurdle



#### Efficiency

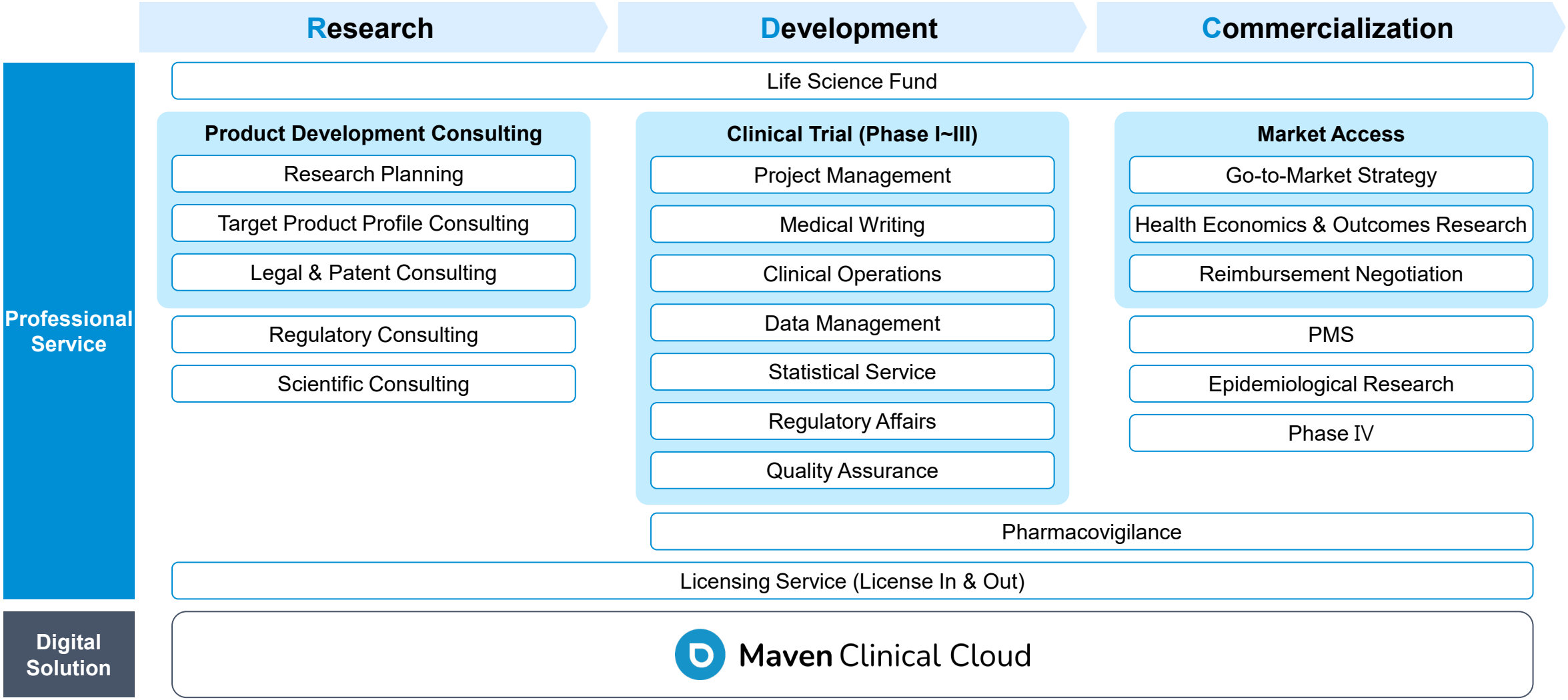
- Streamlining operations to reduce both time and costs associated with clinical trial design and participant recruitment is crucial for success

#### Regulatory Approval

- Ensuring that all necessary documentation is prepared and adopting a strategic approach to meet the requirements of regulatory agencies (FDA, EMA, MFDS, etc.) is a key to obtaining approvals

# Business Area

## JNPMEDI's professional services and digital solutions enable clients throughout their lifecycle, from investment and early research to CRO services and business development



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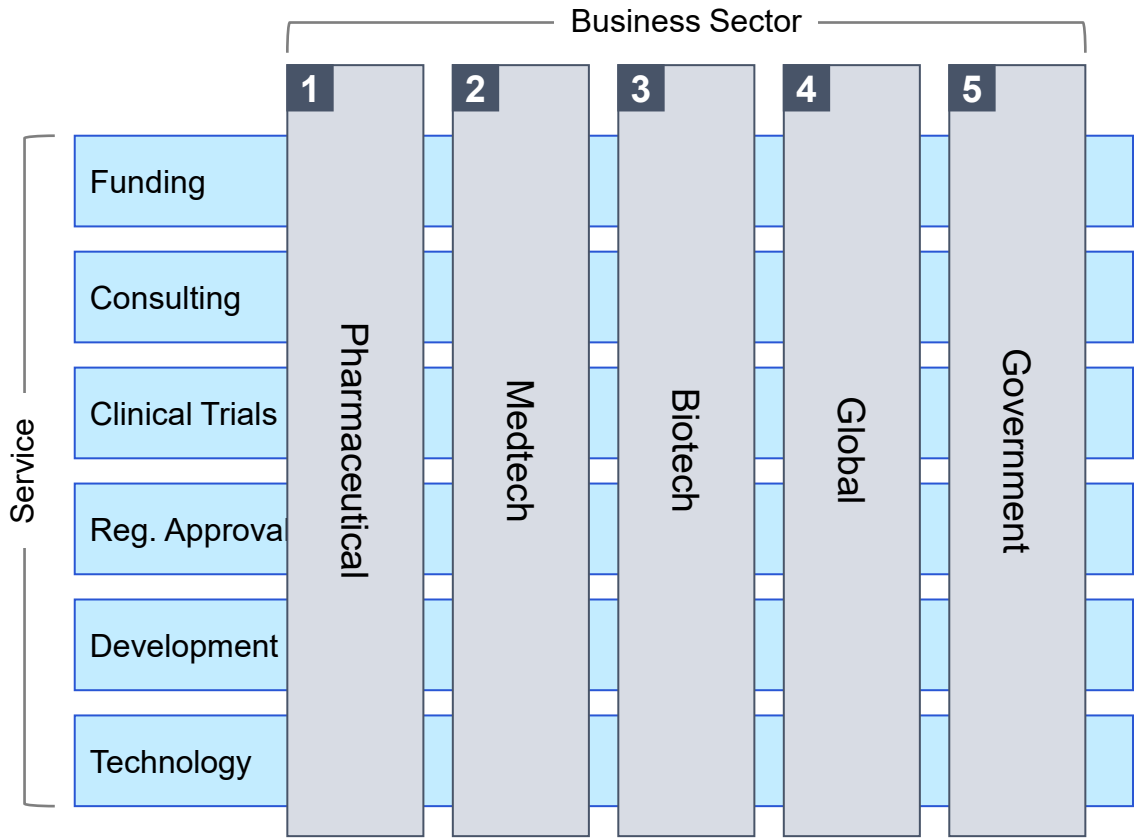
# Service Offerings Overview

## JNPMEDI’s experts provide professional services across various sectors including pharmaceuticals, medical devices, biotechnology, global enterprises, and government agencies

### JNPMEDI Service Offerings




| | |
|---|---|
| **Funding** | • Developing and implementing strategies to raise capital and secure investment |
| **Consulting** | • Providing strategic guidance to optimize clients' clinical and business outcomes |
| **Clinical Trials** | • Overseeing all phases of clinical trials to assess the safety and efficacy of new drugs or devices |
| **Regulatory Approval** | • Analyzing and ensuring compliance with regulatory requirements for market access |
| **Development** | • Driving growth and profitability through strategic partnerships and BD opportunities |
| **Technology** | • Enhancing the efficiency and accuracy of clinical trials through digital transformation |



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# Service Offerings – 1 Pharmaceutical

## JNPMEDI offers comprehensive digital CRO services, integrating customized clinical trial design, advanced statistical methodologies, and optimized trial operations to maximize impact and efficiency

### CRO (Contract Research Organization) Services

| | |
|---|---|
| **Medical Writing** | • Clinical trial design and protocol development<br>• Preparation of reports post-clinical trial execution |
| **Project Management** | • Development of clinical trial operational plans<br>• Full-spectrum clinical trial management, including subject recruitment |
| **Clinical Operations** | • Comprehensive monitoring of clinical trials<br>• On-site management and oversight of clinical trials |
| **Data Management** | • Design and implementation of eCRF<br>• Review and management of data from study sites |
| **Biostatistics** | • Establishment of statistical analysis plans<br>• Generation of results and preparation of statistical reports |
| **Pharmaco-vigilance** | • Management of safety information from clinical trials<br>• Submission of safety reports to regulatory authorities |

**Lead Optimization**

- AI and big data-driven analysis of millions of compounds to select optimal candidates
  - Analysis of structure-activity relationships with existing drugs and exploration of toxicity and safety patterns

**Regulatory Approval**

- Support for all stages of clinical trials for drug approval
  - Assistance with trial design, execution, management, data analysis, and regulatory agency submission

**Late Phase Study (LPS)**

- Evaluation of long-term safety, effectiveness, and real-world data for approved drugs
  - Monitoring of drug performance in real-world settings, tracking side effects, and assessing patient compliance

# JNPMEDI provides comprehensive services for AI and data-driven medical devices, from concept validation through market launch and post-launch support

## Contract Development & Commercialization Organization (CDCO) Services

*JNPMEDI's Technology Support*

### Development (PoC and Product Development)

- Core technology performance and concept validation (PoC)
- Defining target user requirements
- Initial regulatory review (e.g., ISO, FDA)

### Validation (Product Validation)

- Design verification and performance testing
- Validation of alignment with user requirements
- Quality control and risk assessment

### Clinical Trial (Exploratory/Confirmatory Clinical Trials)

**Exploratory Clinical Trials**

- Initial safety and efficacy testing through pilot studies
- Collecting feedback for design and usability improvements

**Confirmatory Clinical Trials**

- Final confirmation of safety and efficacy through clinical trials

### Commercial (Product Commercialization)

- Regulatory approval (e.g., FDA, EMA, MFDS)
- Development of marketing materials
- Identifying licensing partners and formulating negotiating strategies

### Post-Market Surveillance (Aftercare)

- Collecting and analyzing user feedback
- Managing and reporting side effects and issues
- Implementing product updates and improvements
- Ongoing regulatory reporting

### Algorithm Modeling

- Designing reusable algorithms and developing Software as a Medical Device (SaMD) modules that meet medical reliability and regulatory standards
  - Data collection, AI/ML model design, training, validation, performance testing, and clinical efficacy evaluation





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# Service Offerings – 3 Biotech

## JNPMEDI empowers biotech companies through direct investments, investment matching, and business development consulting supported by an extensive domestic and global investment network

### Life Science Fund

| | |
|---|---|
| **Investment & Investor Matching** | • Identifying investment opportunities through direct investments and JNPMEDI's global network<br>• Facilitating networking and investor pitching (IR) between investors and companies |
| **Value Evaluation Support** | • Assessing companies and products based on technology, market potential, and financial data<br>• Algorithm and data-driven valuation models |
| **Deal Negotiation Support** | • Structuring investment agreements (equity, funding, etc.)<br>• Reviewing legal and contractual aspects<br>• Facilitating smooth negotiations between investors and companies |

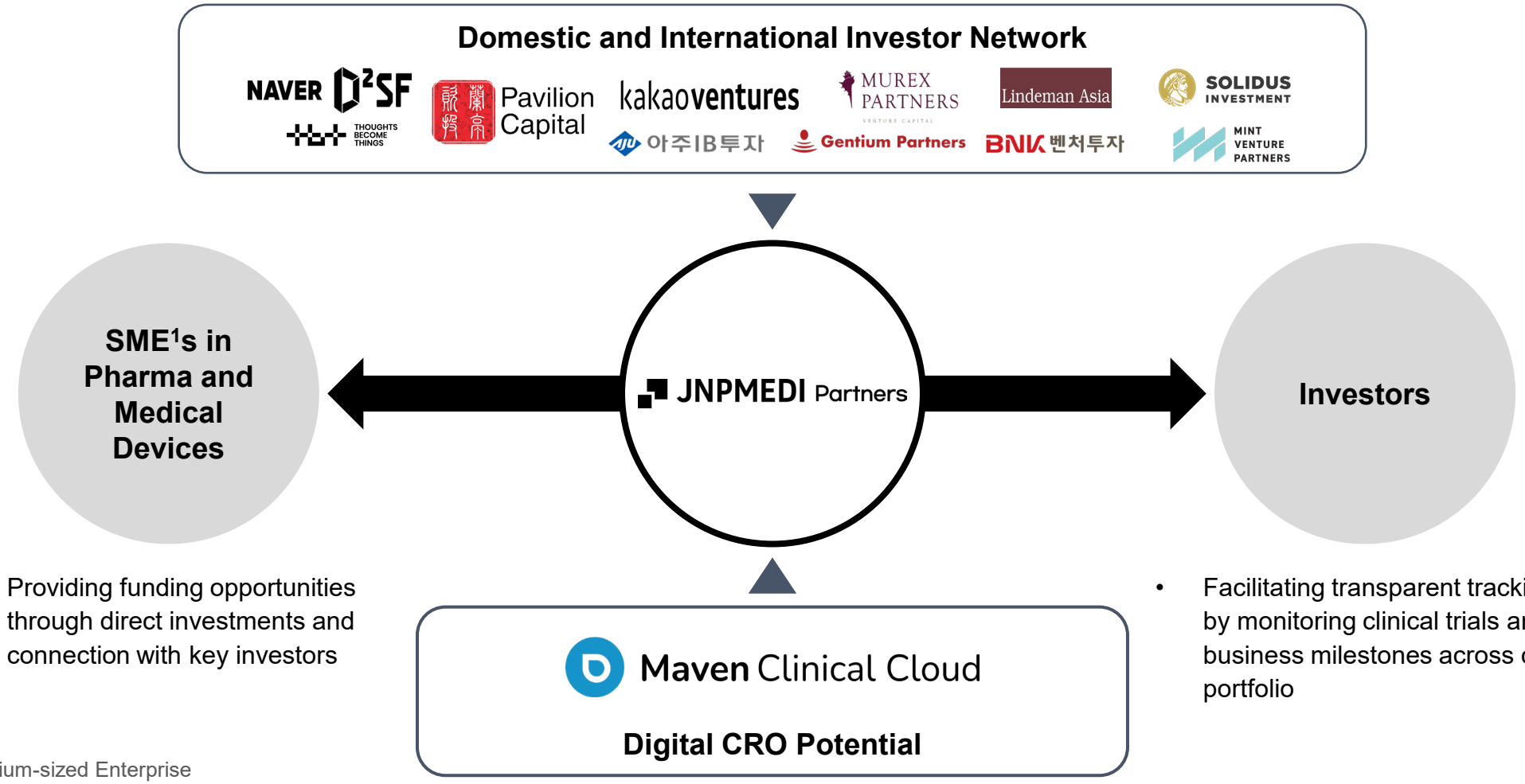
### Licensing Services

| | |
|---|---|
| **Deal Sourcing (Shortlisting)** | • Identifying strategic partners through market research<br>• Leading license-out negotiations |
| **Liaison & Project Management** | • Representing sell-side communication<br>• Managing project deliverables and metrics<br>• Coordinating stakeholders through negotiations |
| **Transaction Settlement** | • Documenting term sheets and contracts<br>• Reviewing legal terms and contracts<br>• Managing post-deal technology transfers and payments |

# [Appendix] About JNPMEDI Partners

## JNPMEDI Partners invests in and connects small-and-medium healthcare companies with global partners, leveraging JNPMEDI's solutions and network

### Value Proposition




- Providing funding opportunities through direct investments and connection with key investors

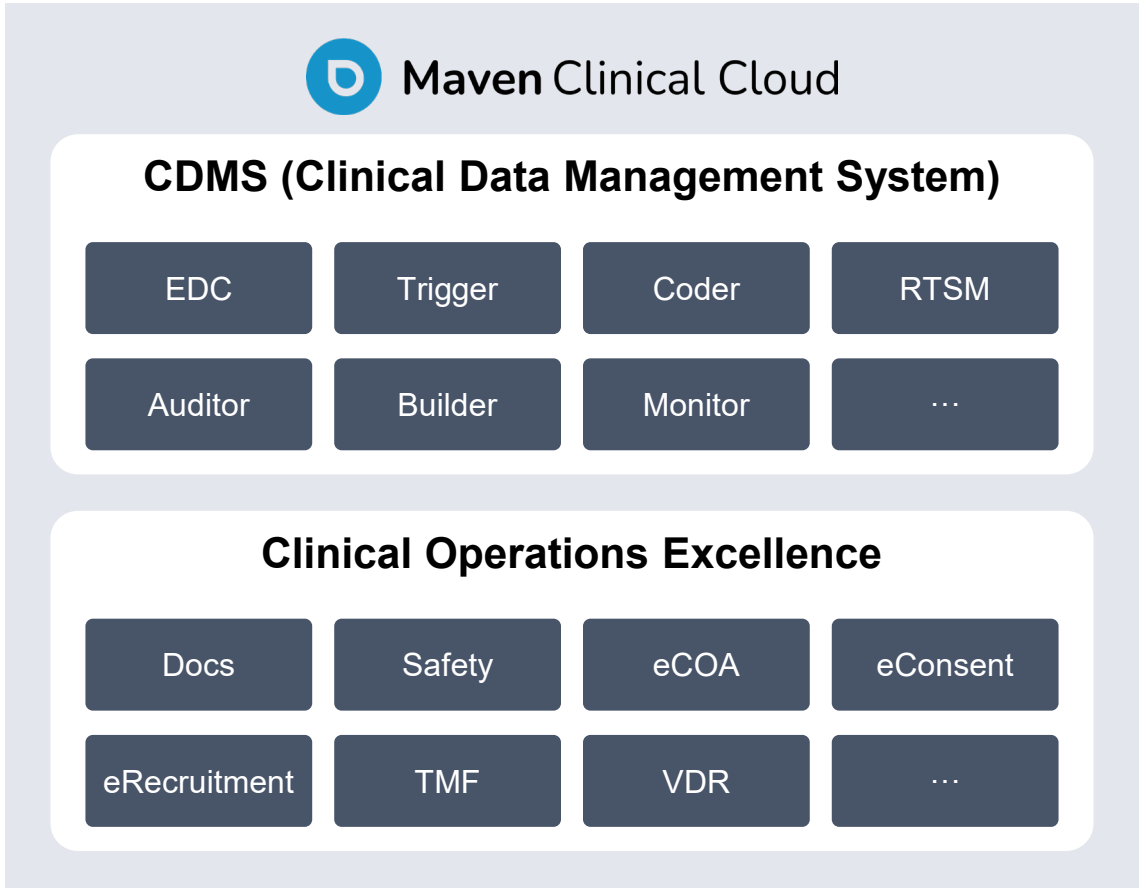
- Facilitating transparent tracking by monitoring clinical trials and business milestones across our portfolio

1. Small and Medium-sized Enterprise

# Service Offerings – 4 Global

## JNPMEDI provides a powerful toolkit for efficient, high-quality DM/STAT operations in global clinical trials through our proprietary cloud-based solution, Maven Clinical Cloud

### Maven Global Delivery Center




**Data Management**

- Collecting, organizing, and validating clinical trial data globally using Maven Clinical Cloud
  - Handling data entry, quality review, outlier management, and data cleansing

**CDISC[1] Converter**

- Converting clinical trial data to the CDISC standard format to meet global regulatory requirements
  - Transforming data structures to SDTM[2] and creating analysis datasets in ADaM[3]

**Statistical Analysis**

- Performing statistical analysis for global regulatory submissions (FDA, EMA) to demonstrate drug safety and efficacy
  - Developing statistical plans, generating reports, and preparing regulatory submission documents

1. Clinical Data Interchange Standards Consortium; 2. Study Data Tabulation Model; 3. Analysis Data Model



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# Service Offerings – 4 Global

**JNPMEDI provides a powerful toolkit for efficient, high-quality DM/STAT operations in global clinical trials through our proprietary cloud-based solution, Maven Clinical Cloud**

## Strategic CRO Partners

**Go-to-market Strategy**

- Provide a stream of local Sponsors for global trials
- Provide region-specific market feedback for Maven
- Provide region-specific regulatory know-how and plan for access by KR Sponsor

**Study Operation**

- Clinical Operations in local region
- MW/RA activities to satisfy local regulations

## JNPMEDI

**Go-to-market Strategy**

- Provide stream of KR Sponsors for global trials
- Incorporate region-specific market feedback into its Maven
- Provide pricing for bid-competitiveness

**Study Operation**

- DM/STAT activities
- EDC/CDMS setup and C/S





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# JNPMEDI delivers scientific and R&D consulting for pharmaceutical and biotech government initiatives

## Consulting Services for Government

**Scientific/ Technical Advisory**

- Supporting business goals and setting research direction
- Analyzing the latest trends in pharmaceutical and biotech industries, along with regulatory requirements
- Reviewing technical feasibility and developing business strategies

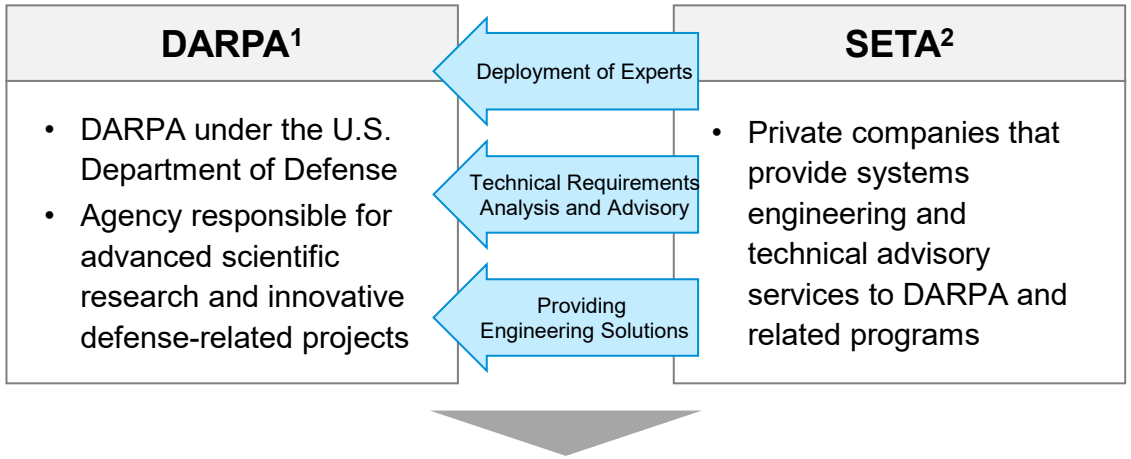
**Support in Research Development**

- Assisting in new drug development, clinical trial design, and regulatory strategy formulation
- Supporting the preparation of proposals and R&D reports
- Providing data analysis and technical support

**Project Management**

- Managing project timelines, budgets, and resources
- Facilitating collaboration and communication among stakeholders
- Monitoring project outcomes and managing risks

### U.S. DARPA-SETA Collaboration Model




- SETA provides external expertise from the private sector to help DARPA effectively achieve its long-term research objectives

→ DARPA has been instrumental in developing groundbreaking technologies such as the internet, GPS, and drones, establishing itself as one of the world's leading and most innovative R&D agencies

1. Defense Advanced Research Projects Agency; 2. Systems Engineering and Technical Advisory

# Our Capabilities

**JNPMEDI provides differentiated services, leveraging its deep expertise, global network, and cutting-edge digital capabilities to support the successful execution of clinical trials for clients worldwide**

## 1 Professional Service Team

- Collaborating with a diverse team of experts across pharmaceuticals, biotechnology, management consulting, and legal fields
- Operating a medical science advisory group consisting of over 80 Key Opinion Leaders (KOLs) from both domestic and international backgrounds

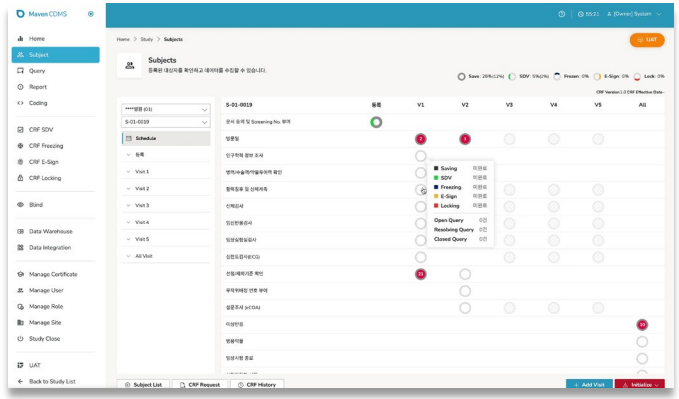

## 2 Global Network

- Partnering with over 10 global CROs in regions including the U.S., Europe, Australia, and beyond
- Having extensive experience in securing and conducting global clinical trials for pharmaceuticals and medical devices

George Clinical
CMIC
IQVIA™
NAMSA®
AVANCE CLINICAL
proscientа™
ADVISE • ADVANCE
NOVOTECH™
Biotech's Partner at Every Phase

## 3 Digital Technology

- Possessing exceptional software capabilities in clinical data management
- Offering service modules that support both traditional and DCT[1]




1. Decentralized Clinical Trial





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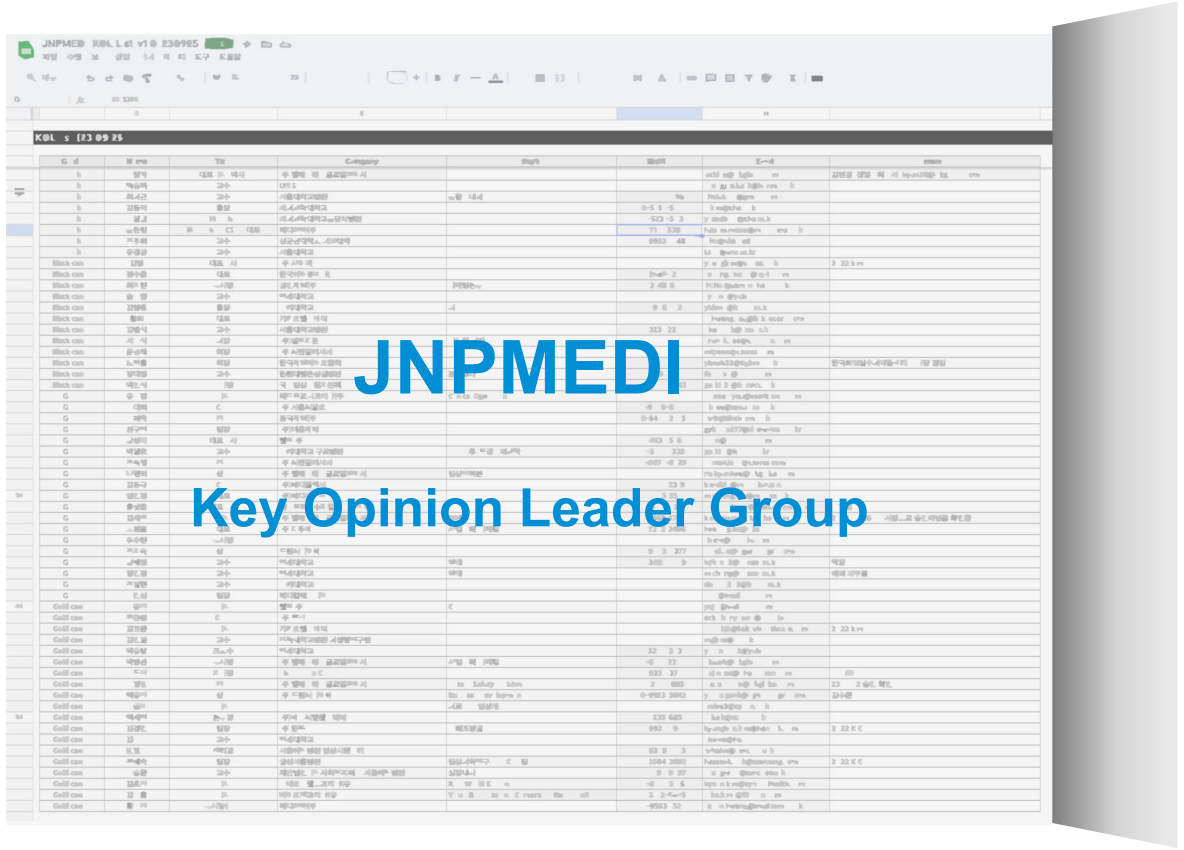
# Our Capabilities – 1 Professional Service Team

## JNPMEDI mitigates potential project risks for clients by leveraging its in-house experts and a medical science advisory group composed of over 80 KOLs

### JNPMEDI's KOLs




**Medical Consulting Group (40+ Experts)**

- A dedicated pool of experts providing consulting services in the healthcare and pharmaceutical sectors
- Includes physicians and pharmacists from leading university hospitals

**R&D Consulting Group (30+ Experts)**

- A team of experts providing consulting services related to regulatory affairs and clinical trials
- Comprised of professionals from pharmaceutical companies and CROs

**Public Affairs Consulting Group (10+ Experts)**

- A team of experts providing consulting services in government relations and public affairs
- Includes government officials and non-medical university professors with expertise in public affairs

# Our Capabilities – 2 Global Network

**JNPMEDI has successfully executed global clinical collaborations across more than 15 countries, partnering with leading global CROs, including the United States and Europe**

## JNPMEDI's Global CRO Partners

George Clinical

HungaroTrial Contract Research Organization

CMIC

IQVIA™

NAMSA®

OPIS

prosciento™ ADVISE • ADVANCE • ACHIEVE

MCRA Clinical Research Organization

AVANCE CLINICAL

NOVOTECH™ Biotech's Partner at Every Phase

GreenLight Clinical

## Key Collaboration Cases

| | |
|---|---|
| **Case 1** | • Secured and conducted a global Phase I clinical trial for a domestic pharmaceutical company, in collaboration with a U.S.-based global CRO |
| **Case 2** | • Managed and executed a European MDR clinical trial for a domestic medical device company, in partnership with an Italy-based global CRO |
| **Case 3** | • Secured and conducted a clinical trial for a domestic medical device company in collaboration with a U.S.-based global CRO |

# Our Capabilities – 3 Digital Technology

**JNPMEDI delivers differentiated clinical trial data management and operation services, driven by advanced IT capabilities, flexible and interoperable data platforms, and cutting-edge digital solutions**

## Core Competencies

**Ease of Use**

- B2C-level service UI/UX configuration with intuitive design
- On-demand development: Rapid, customer-driven development

**Connectivity**

- Open API for easy integration with emerging digital technologies
- Seamless connectivity with various data sources, such as mobile platform and central labs (C-Lab)

**Flexibility**

- Selectable SaaS tailored to study-specific needs
- Easy maintenance through a microservice architecture

**Security & Compliance**

- Blockchain-based data tempering prevention
- Compliance with global regulatory standards for clinical trials (CDISC, 21 CFR Part 11, ISO 27001/27799, etc.)

## Value Proposition

### DCT Platform Support

- Comprehensive, one-stop services for both traditional and decentralized clinical trials

### Operational Excellence

- Enhanced clinical trial management and operational efficiency through Maven's expertise and dedicated team support

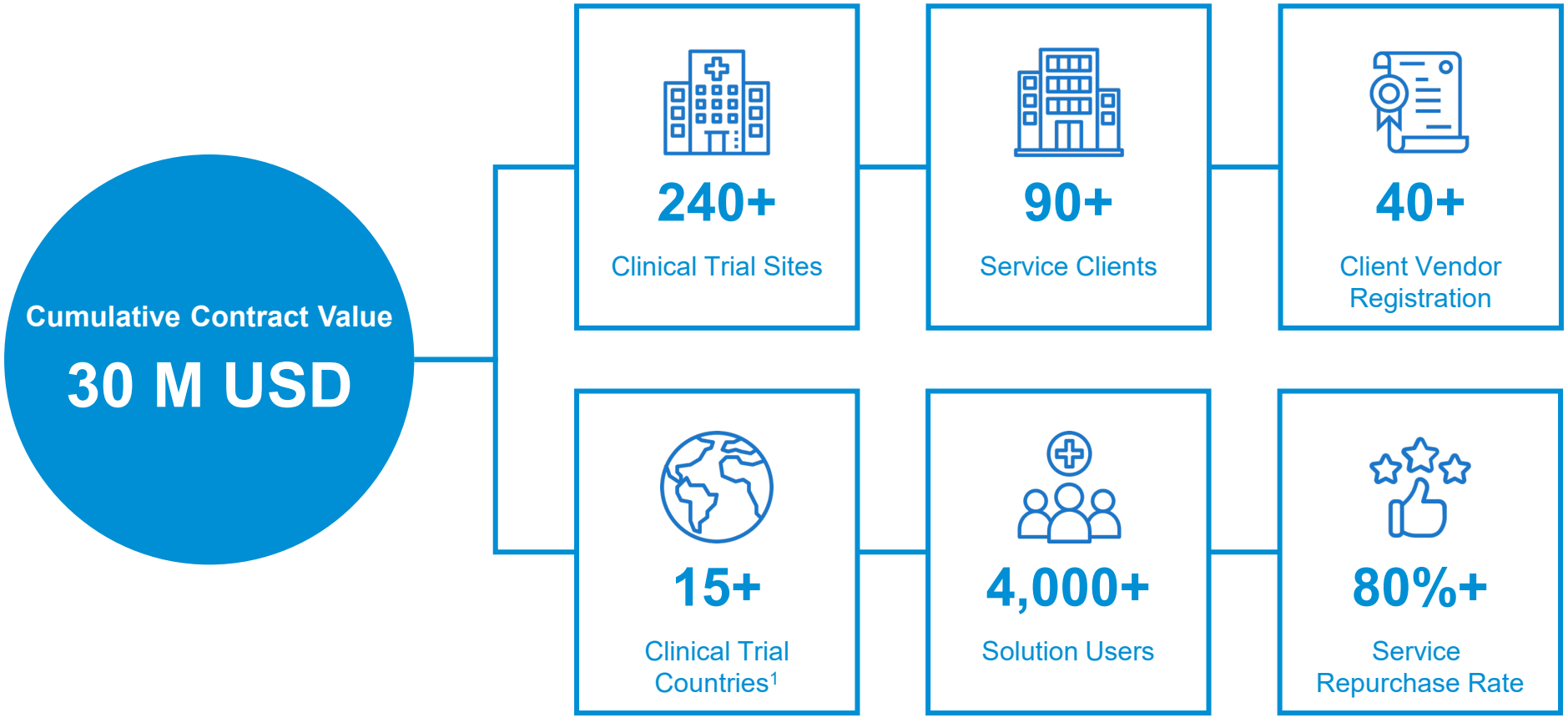
### Lean Cost Structure

- Modular, data transaction-based pricing model
- Potential to reduce solutions fee by 30-40%

# Key Achievements

## As of 2024, we have successfully secured and executed clinical trial projects with a total value exceeding 30 M USD

### Cumulative Contract Value & Key Metrics




1. United States, Canada, Japan, Singapore, Italy, Netherlands, Belgium, etc.





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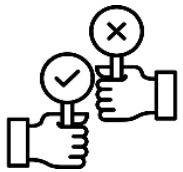
# Conduct Service

| Medical Writing team | Clinical Operation team | Data Management team | Statistics team | MW |
|---|---|---|---|---|

| Protocol & CRF Development | IDE Approval | IRB Approval | Clinical Operation | Data Management | Statistical Analysis | Clinical Study Report |
|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |
| - Protocol Development<br>- CRF development<br>- EDC set up | - IDE Submission & Approval | - Prepare submission for IRB Approval | - Initiation Visit<br>- Site Monitoring Visit<br>- CRF review<br>- Project management(TMF, etc.) | - Data Management<br>- Medical coding QC | - Statistical Plan<br>- Statistical programing development | - CSR writing |
| 2 | 3 | 2 | TBD | 4 | | |





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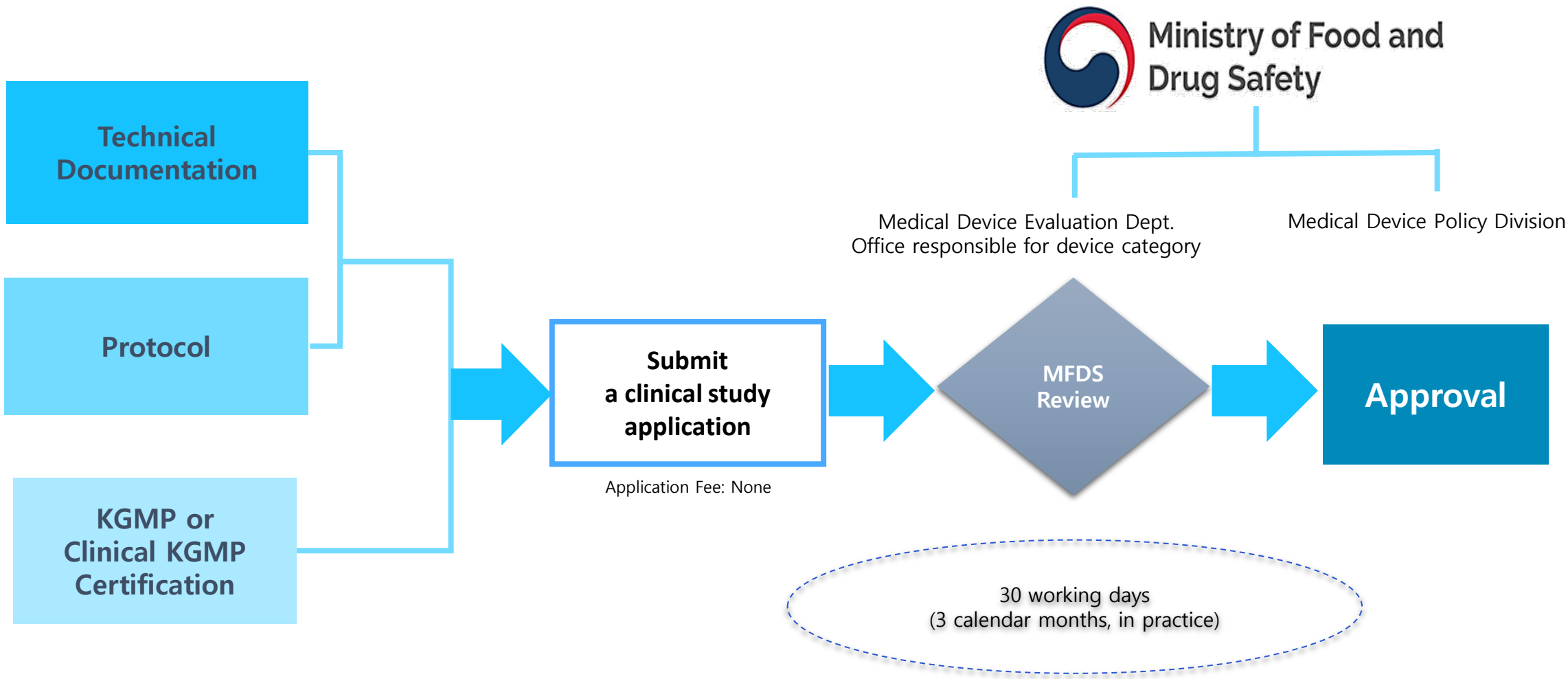
# Clinical Study Approval Procedures (in Korea)





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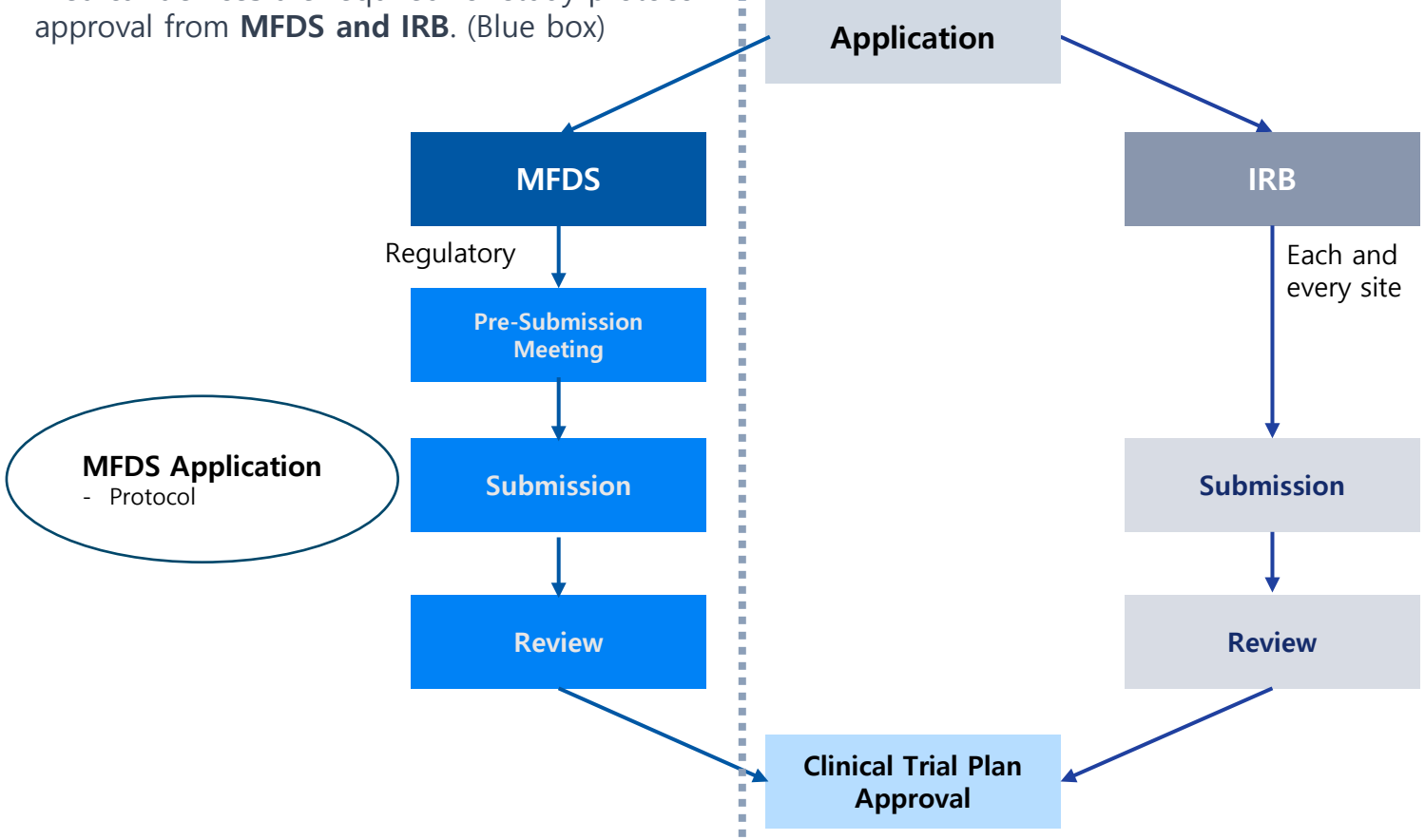
# Two pillars for clinical study approval in Korea

In order to conduct clinical trial, **most of the medical devices** are required for study protocol approval from **MFDS and IRB**. (Blue box)




For some devices, **only IRB approval** is good to initiate a clinical study when the study meets with one of the following cases (Grey box):

- Post-approval studies within the approved intended use/indications for use
- Certain IVDs exempted by law from prior approval of MFDS that do not cause any risk to patients in specimen-sampling process
- Certain devices authorized by law from prior approval of MFDS

**IRB Application**
- Protocol
- ICF
- CRF
- IB (or Technical Documentation)





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Non-Exhaustive

# Our diverse leadership combines expertise in pharma, biotech, consulting, and law to drive strategic growth

**KwunHo Jeong**, Chief Executive Officer

- B.S. in Applied Physics, University of Washington
- Chief Strategy Officer (CSO), Dunamu Lambda256
- Management Consultant, Accenture & IBM

**JaeHyun Lee**, Chief of Staff, J.D., D.D.S.

- B.S. in Engineering, Seoul National University
- D.D.S., Seoul National University
- J.D., Sungkyunkwan University
- Healthcare Team Lawyer, Kim & Chang Law Office
- Director, Korean Bar Association

**SeEun Kim**, Associate Partner

- B.S. in Nursing, Ewha Woman's University
- M.S. in Public Health, Seoul National University
- BD Director, LSK Global
- Clinical PM, Samsung Seoul Hospital Clinical Trial Center

**SooHyun Lew**, Chief Medical Officer, M.D.

- Certified Clinical Pharmacologist, Yonsei University Severance Hospital
- Director, Kolon Pharm, Novartis & GE Healthcare Director
- CEO, Dream CIS & Seoul CRO

**SangMi Park**, Executive Director of Clinical Excellence

- B.S. in Pharmacy, Sookmyung Women's University
- Regional Project Manager, Boehringer Ingelheim
- Head of Clinical Operations, Asia Feasibility Lead, Gilead Sciences

**SiYoung Song**, External Director, M.D.

- Former Dean, Department of Gastroenterology, Yonsei University College of Medicine
- Chairman, Bio Big Data Project
- Health and Medical Technology Policy Review Committee Chairman, Ministry of Health and Welfare

**YoungYong Park**, Chief Technology Officer

- B.S. in Computer Engineering, Hanyang University
- Development Lead, Dunamu Lambda256
- Development Lead, eBay Korea & Futurewiz

**SeungMi Lee**, Partner

- B.S. in Psychology, Yonsei University
- MPH, Seoul National University
- MD Clinical Director, Synex
- Strategy Director, Olive Healthcare

**EueKeun Choi**, External Director, M.D.

- Internal Medicine Professor, Seoul National University Hospital
- Korean Academy of Science and Technology, Member
- Korean Heart Rhythm Society, Scientific Committee Chair





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# Qualifications

**We adhere to various international standards and hold relevant certifications to ensure the delivery of high-quality services that meet global benchmarks**





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