A New Experience In Big Data Analytics

Mobigen
Company Introduction

Big Data, AI & Next-generation Network Company

www. mobigen.com

A software company specialized in big data, AI and the next-generation network operation fields

Mobigen by the Numbers

Establishment
2000

Employees
240+

Patents Issued
15+

Clients
50+

Annual Revenue FY23
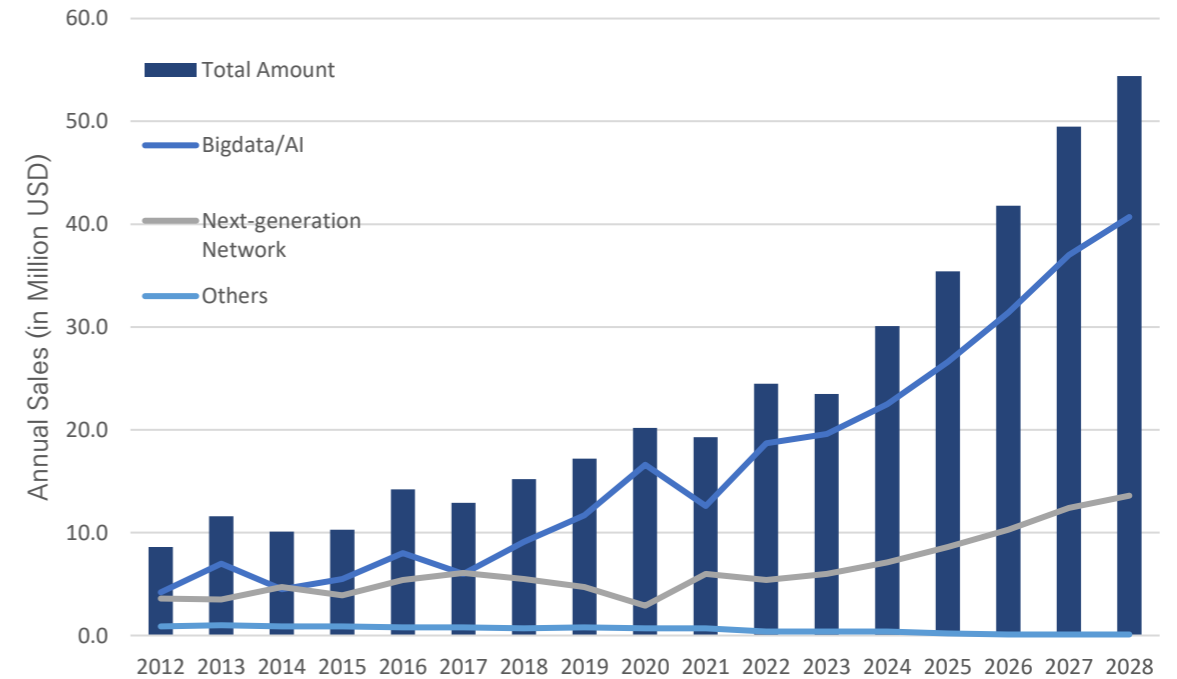**$22M**

CAGR
11 %

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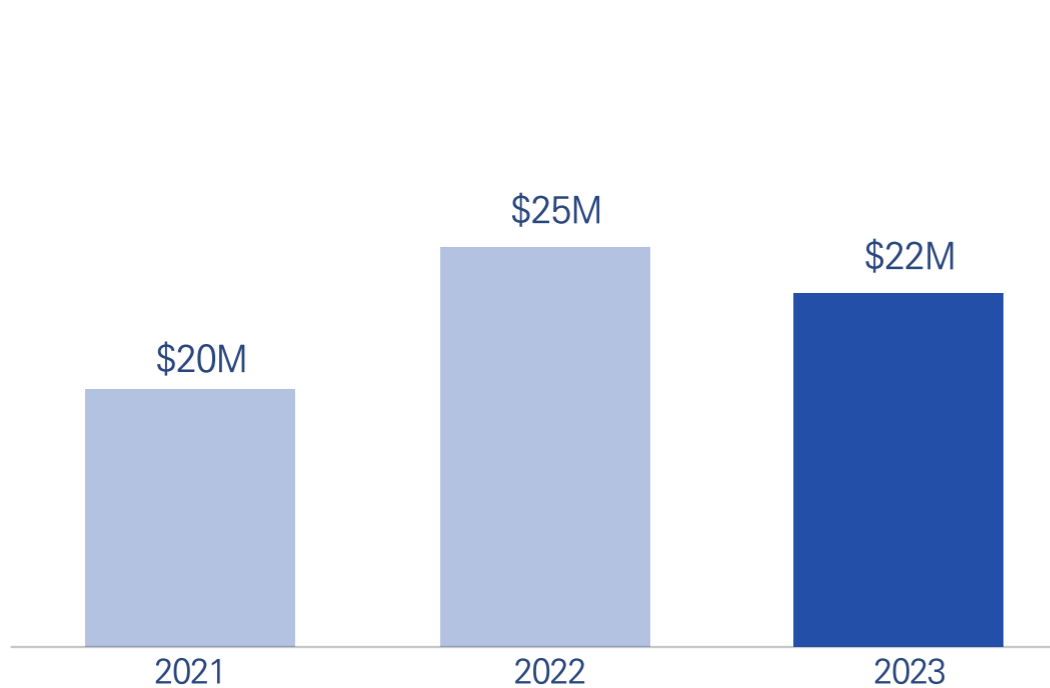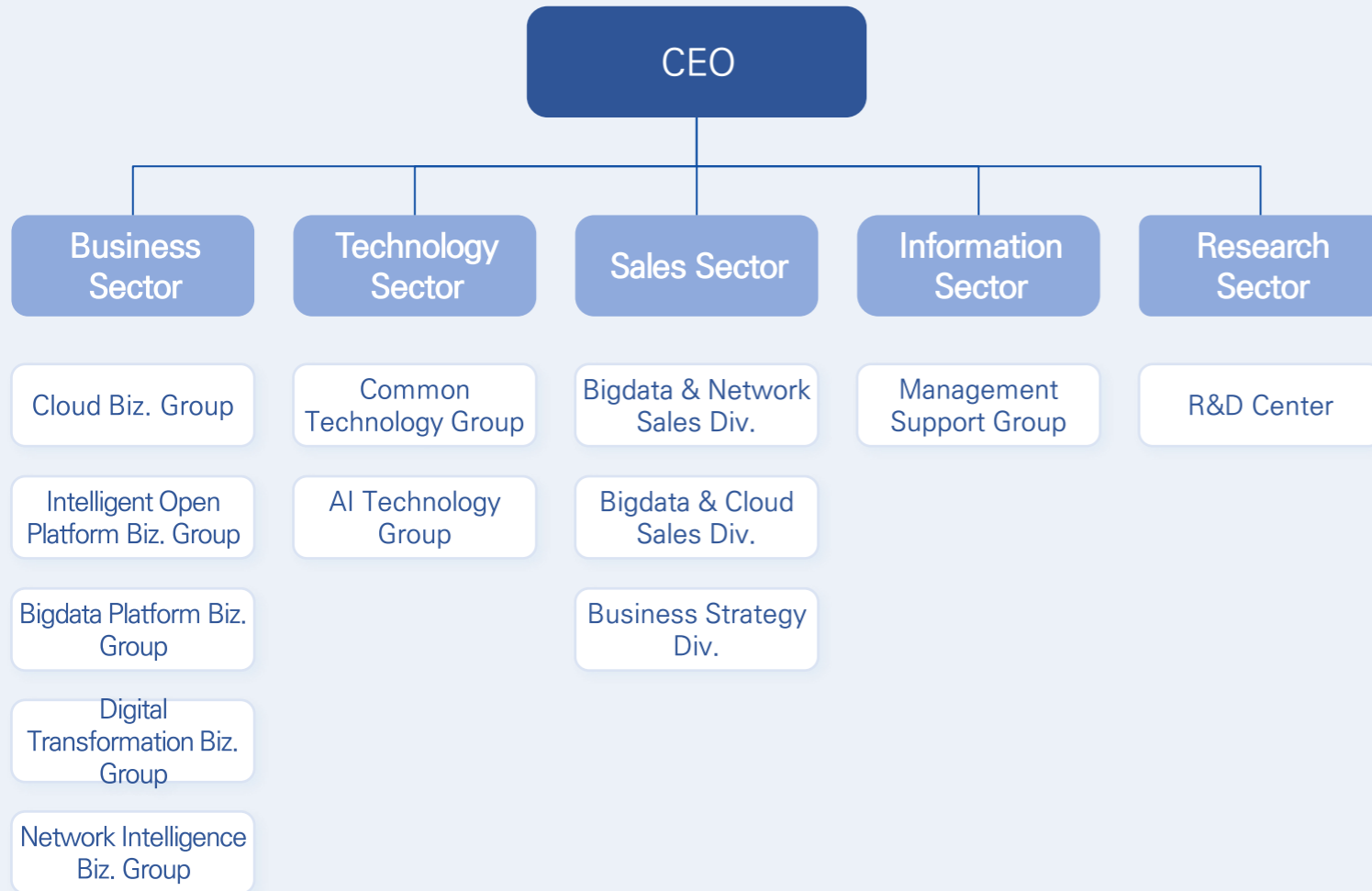
A software company specialized in big data, AI and the next-generation network operation fields

Annual Revenue for the Last 3 Years & Future Targets

A technology-driven software company where more than 80% of the total workforce is comprised of research and development personnel

Organization Chart

CEO

Business Sector | Technology Sector | Sales Sector | Information Sector | Research Sector

Cloud Biz. Group | Common Technology Group | Bigdata & Network Sales Div. | Management Support Group | R&D Center

Intelligent Open Platform Biz. Group | AI Technology Group | Bigdata & Cloud Sales Div.

Bigdata Platform Biz. Group | | Business Strategy Div.

Digital Transformation Biz. Group

Network Intelligence Biz. Group

Personnel Composition

Technical Sales & Customer Support 15

Operation & Biz. Support 14

Management 6

As of Dec. 2023

R&D 202

237 Employees at 5 Sectors
"Organizational Structure Focused on R&D"

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Product & Solution Portfolio based on Key Technologies in OSS and Bigdata/AI fields

	2005	2010	2015	2020	2023	2025
Next-generation Network Operation Platform ONEVision	3G OSS	4G/LTE OSS	LTE-R NMS	5G OSS	Private 5G NMS	ONEVision OSS
			4G/LTE Probe	5G Probe / 5G Probe for Global Market		ONEVision Probe
			SDN Platform	SDN Orchestrator / SDN Controller v1.0	SDN Controller v2.0	ONEVision SDN
Bigdata·AI Platform IRIS	In-memory DB (Mammoth)	IRIS Bigdata DB	IRIS Enterprise DB / IRIS Analyzer / IRIS Studio	IRIS VDAP v3.0	IRIS GDF v1.0	IRIS VDAP / IRIS GDF
				RCA	IRIS Playground	IRIS GDF Portal / IRIS AI

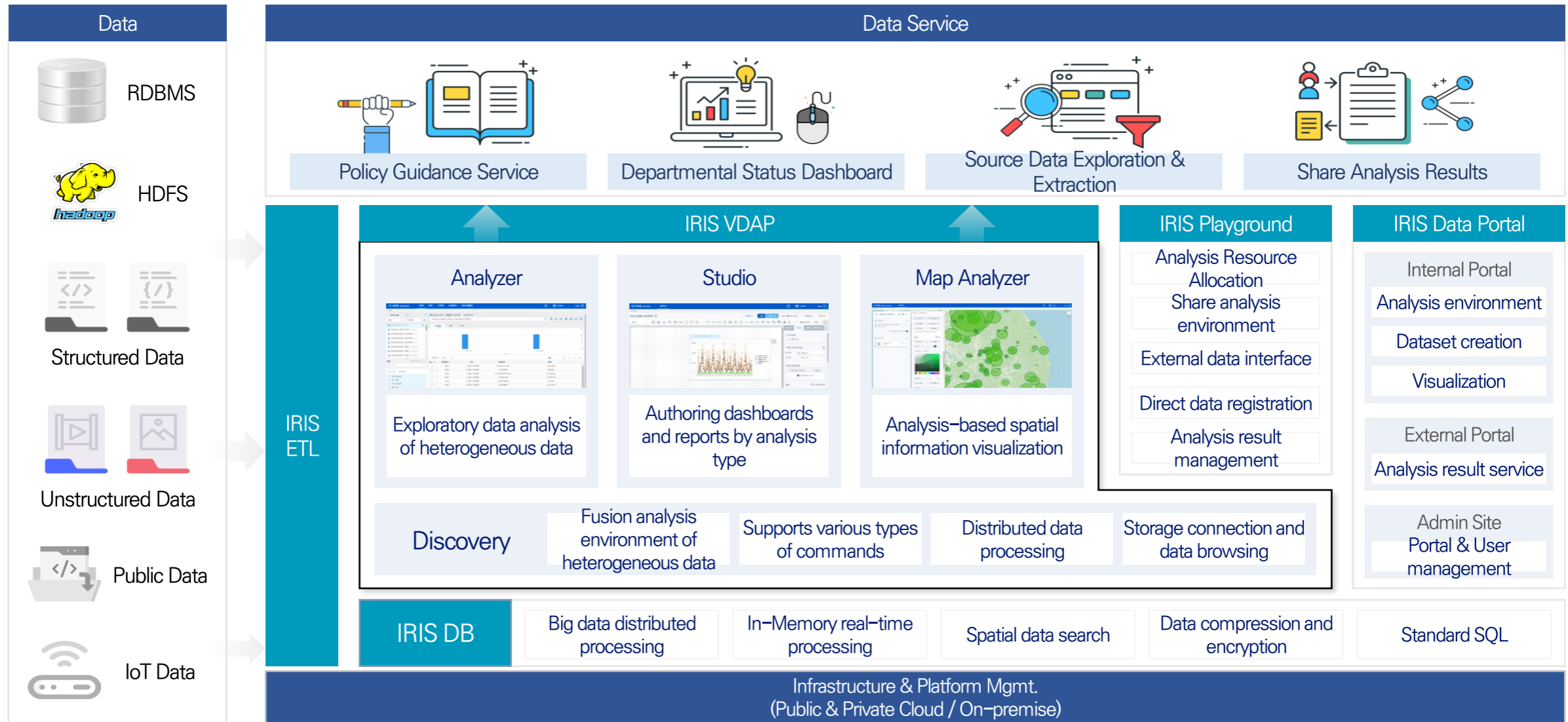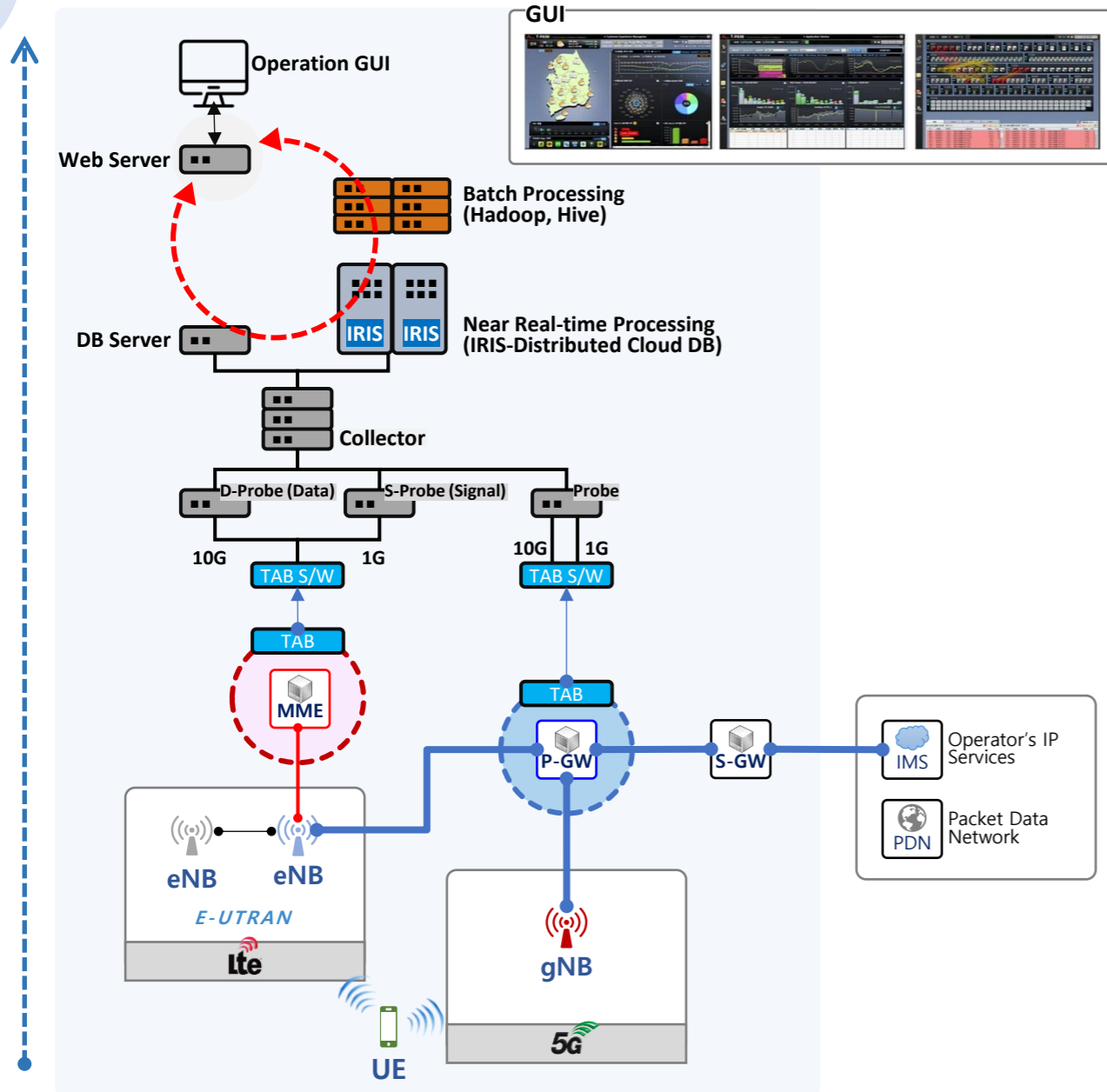**AI xOps**

IT Operations
Data Operations
ML Operations
Network Operations
:

※ OSS(Operations Support Systems), SDN(Software Defined Networking), VDAP(Visual Data Analysis Platform, GDP(Gen AI Data Fabric)

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Large-capacity, high-performance Bigdata·AI platform product line – IRIS

Data

 RDBMS

 HDFS

 Structured Data

 Unstructured Data

 Public Data

 IoT Data

Data Service

Policy Guidance Service	Departmental Status Dashboard	Source Data Exploration & Extraction	Share Analysis Results

IRIS ETL

IRIS VDAP

Analyzer	Studio	Map Analyzer
Exploratory data analysis of heterogeneous data	Authoring dashboards and reports by analysis type	Analysis-based spatial information visualization

Discovery

Fusion analysis environment of heterogeneous data	Supports various types of commands	Distributed data processing	Storage connection and data browsing

IRIS Playground

Analysis Resource Allocation

Share analysis environment

External data interface

Direct data registration

Analysis result management

IRIS Data Portal

Internal Portal

Analysis environment

Dataset creation

Visualization

External Portal

Analysis result service

Admin Site
Portal & User management

IRIS DB

Big data distributed processing	In-Memory real-time processing	Spatial data search	Data compression and encryption	Standard SQL

Infrastructure & Platform Mgmt.
(Public & Private Cloud / On-premise)

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Good Data for AI, Mobile Packet Probe Solution - ONEVision Probe

1. Providing over 10 years operating services for No.1 Mobile Carrier in Korea (SKTelecom)

2. Operating communications quality management base on customer experience index(CEI) (SKT ranked No.1 in service quality for 10 consecutive years)

3. Protect customers from cybercrime by analyzing usage patterns

4. Effective cost savings through deep analysis of traffic (Minimize interconnect traffics, Reducing CSP costs)

5. Provide high-value data for sale, such as customer spending and potential hotspots for new stores, and key data for AI-driven operational automation

6. Largest data processing and analytics company in Korea (150 billion records/day)

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Multi-Vendor/-Layer based SDN solution

Multi Layer/Vendor SDN NW & Service Automation(NetOps, NaaS[1])

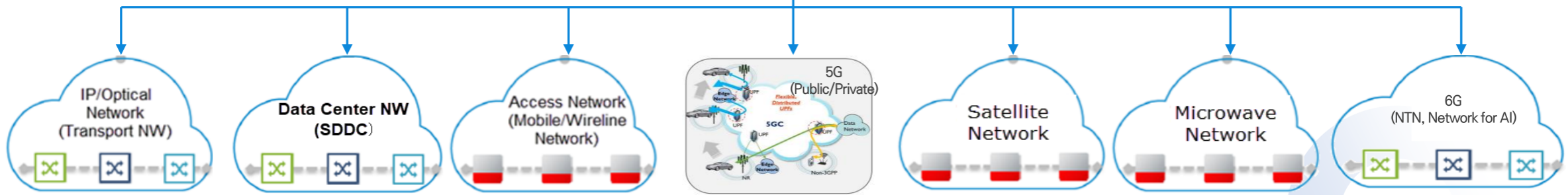| T-SDN Controller (WDM, ROADM, OTN, PTN) | IP-SDN Controller (IP/MPLS, L3/L2) | DC-SDN Controller (Spine/Leaf, NAT, DCGW) | NFV Infra (VNF) |

North Bound API (Internal/External)

Model-Driven Service Abstraction Layer(MD-SAL) for Multi-Vendor/-Layer/-Domain Environment

South-Bound Interface(SBI) Plugins (Protocol Adaptation)(OpenFlow, SSH, NETCONF, SNMPv3 등)

Data Store (RDBMS, Big Data)

South Bound Interface

IP/Optical Network (Transport NW)

Data Center NW (SDDC)

Access Network (Mobile/Wireline Network)

5G (Public/Private)

Satellite Network

Microwave Network

6G (NTN, Network for AI)

SDN 적용   2015년   2010년   2025년   2030년

*1) NaaS: Network-as-a-Service, 사용자 정의(동적) 네트워킹 서비스

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Our Key Customers

SK Inc.	SK telecom	SK broadband	SK hynix	kt
LG U+	HYUNDAI AutoEver	KORAIL	KAC 한국공항공사 KOREA AIRPORTS CORPORATION	LH 한국토지주택공사
kotra 무역투자24	SAMSUNG	한국전력공사	국토안전관리원 Korea Authority of Land & Infrastructure Safety	국방통합데이터센터
서울특별시	경기도	인천광역시	수원특례시 SUWON SPECIAL CITY	오늘 행복하고 내일이 기다려지는 서초
국토교통부	방위사업청	KoROAD 도로교통공단	KATECH 한국자동차연구원	KDIT 국방기술진흥연구소
NIA 한국지능정보사회진흥원	EPIS 농림수산식품교육문화정보원	한국환경공단	ex 한국도로공사	소방청 National Fire Agency

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Thank You

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