

한국산업기술기획평가원(KEIT) 및 한-EU 국제공동 R&D 소개

2024. 07.

KEIT 유럽사무소



Ministry of Trade,
Industry and Energy



한국산업기술기획평가원
Korea Planning & Evaluation Institute of Industrial Technology

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1. Innovative R&D Partner, KEIT (1/2)

- KEIT is a government funding agency under the Ministry of Trade, Industry and Energy(MOTIE) in South Korea

Mission

Industrial competitiveness through the technology development

→ Innovative R&D performance

Vision

A global leader in R&D supporting to enrich the future of mankind

→ World best R&D funding agency

Primary Role

Project
Planning

Evaluation
Management

Performance
Management



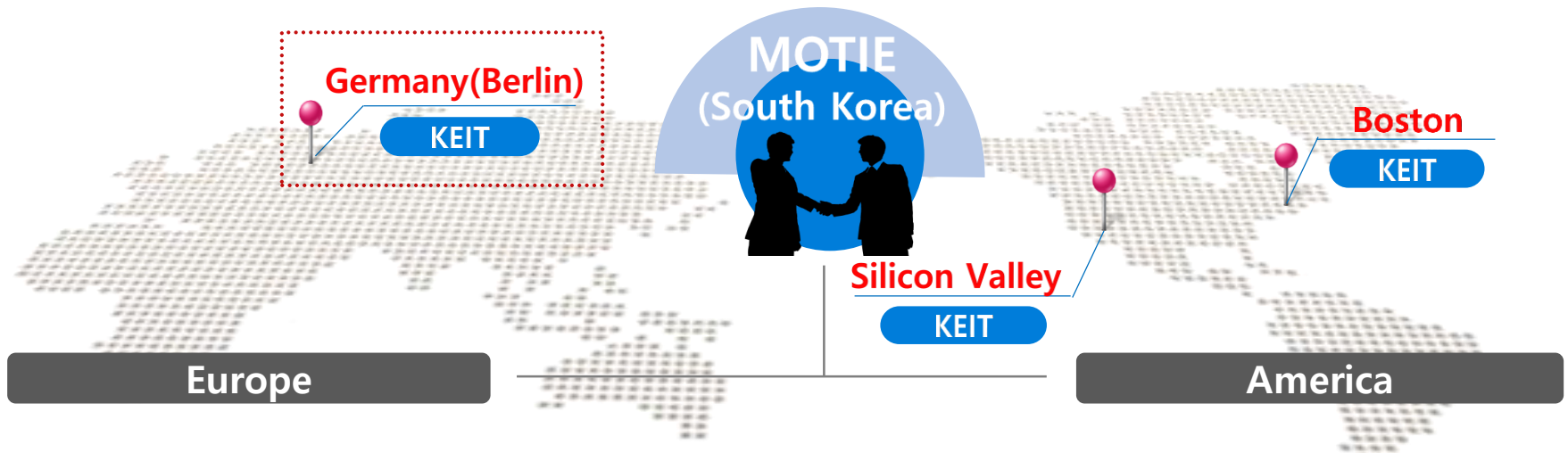
1. Innovative R&D Partner, KEIT (2/2)

International R&D Collaboration

Facilitate Exchange of Information & Experts and Promote R&D

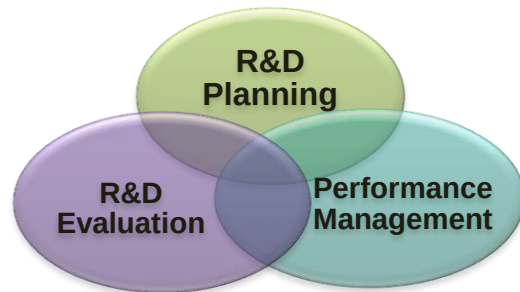
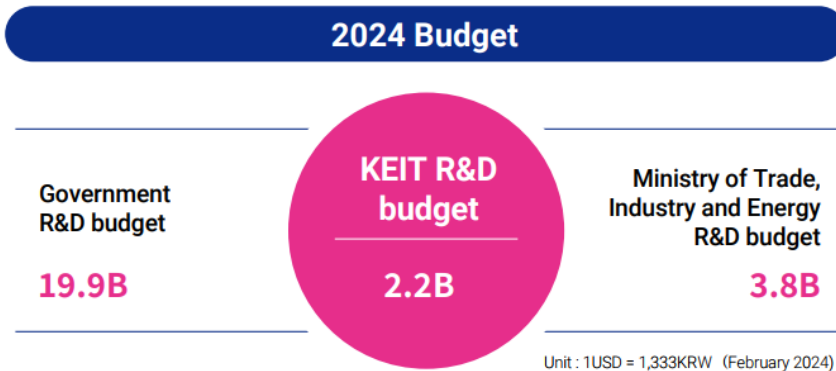
Support international joint R&D and provide recent technology information

- Support Korean companies to enter the local markets
- Investigate technology trends, industry, and policy on a regular basis
- Provide analysis reports
- Build cooperation platforms to develop international R&D cooperation



2. KEIT's Budget and R&D Programs (1/2)

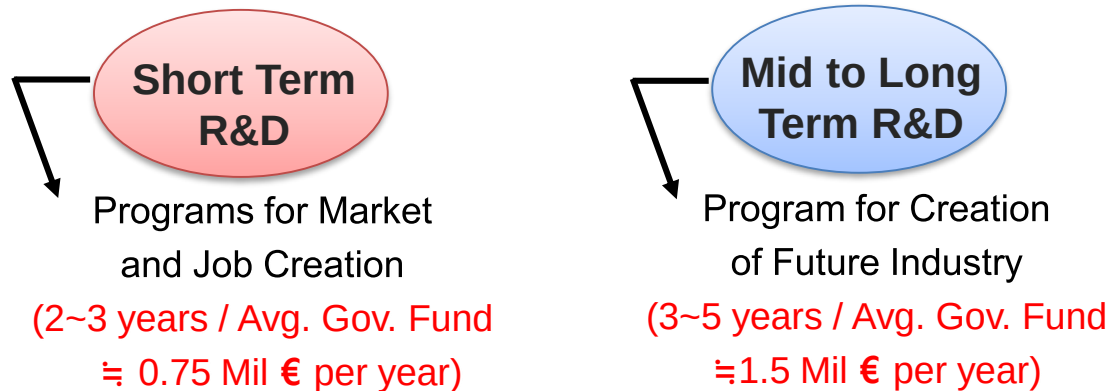
■ R&D programs by industry field



Technology Sector	Description	2024 Budget (Million USD)	Percentage (%)
Materials, components, equipment	- Materials-components technology - Machinery and equipment - Electronic parts	1,129	50.9
Transportation	- Automotive - Shipbuilding, Marine and Offshore - Aviation	319	14.4
Manufacturing base	- Robot industry technology - Design industry technology - Knowledge service	162	7.3
Bio-health	- Bio-industry technology - Medical device - New drug	189	8.5
Smart electronics	- Next-generation intelligence semiconductor - Electronic system industry technology - PIM artificial intelligence (AI) semiconductor core technology	126	5.7
Carbon neutrality	- Core technology for carbon neutral industry - Carbonation hardening (cement) - Digital engineering aligned with carbon reduction models	100	4.5
Disaster, safety	- Technology development in partnership with government agencies - Social complex disaster response technology - Regionally specialized disaster and safety problem solving technology	55	2.5
Others	- Developing and distributing national standard technology - ATC+ (Advanced Technology Center plus) program - Alchemist project	137	6.2
Total		2,217	100

2. KEIT's Budget and R&D Programs (2/2)

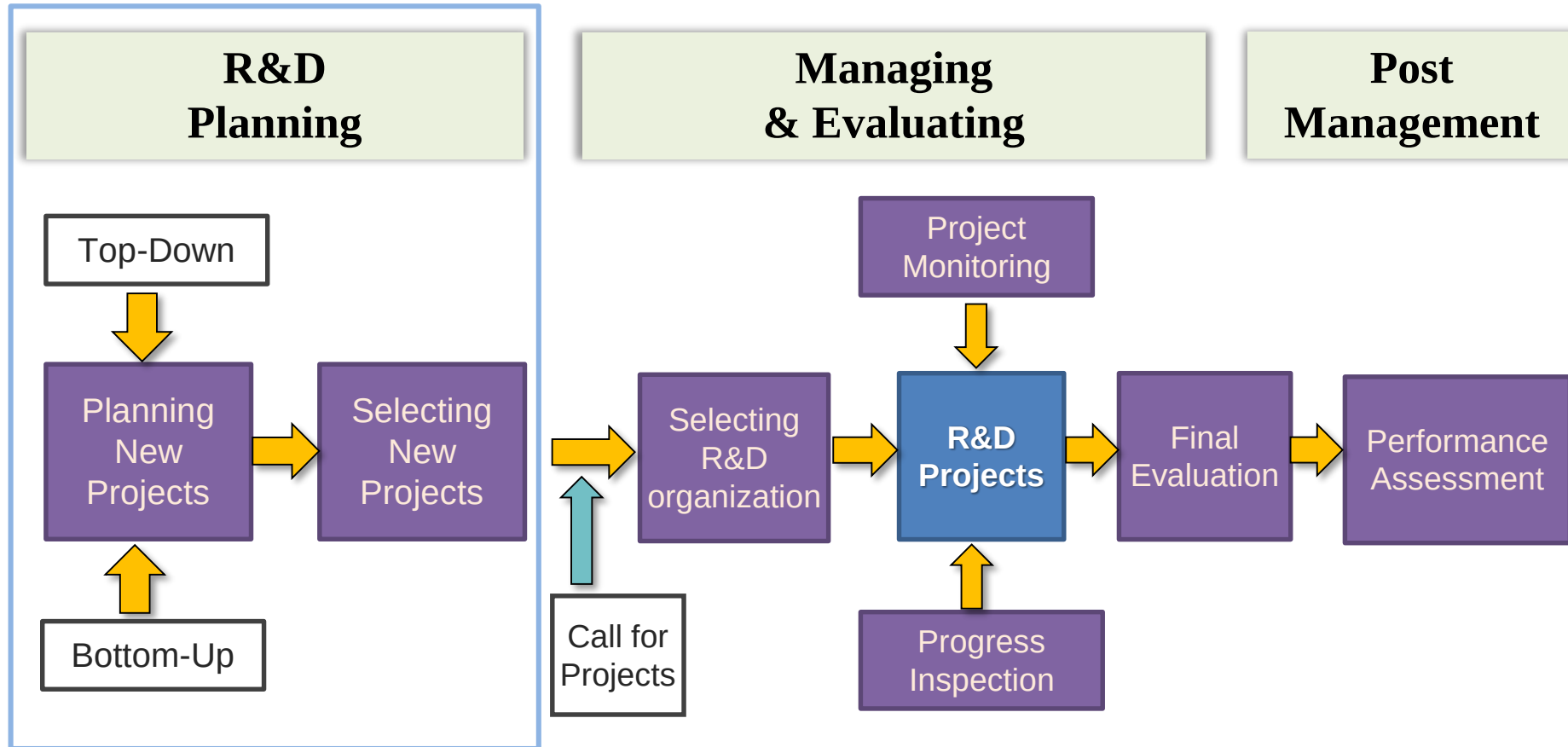
■ Industrial Technology R&D Programs



Industrial Technology R&D System

Mid to Long Term R&D	New Growth Engine Development R&D	Industrial Strategic Technology Development R&D	Public R&D
Short Term R&D	Global Professional Technology Development R&D		Commercialization Linked R&D

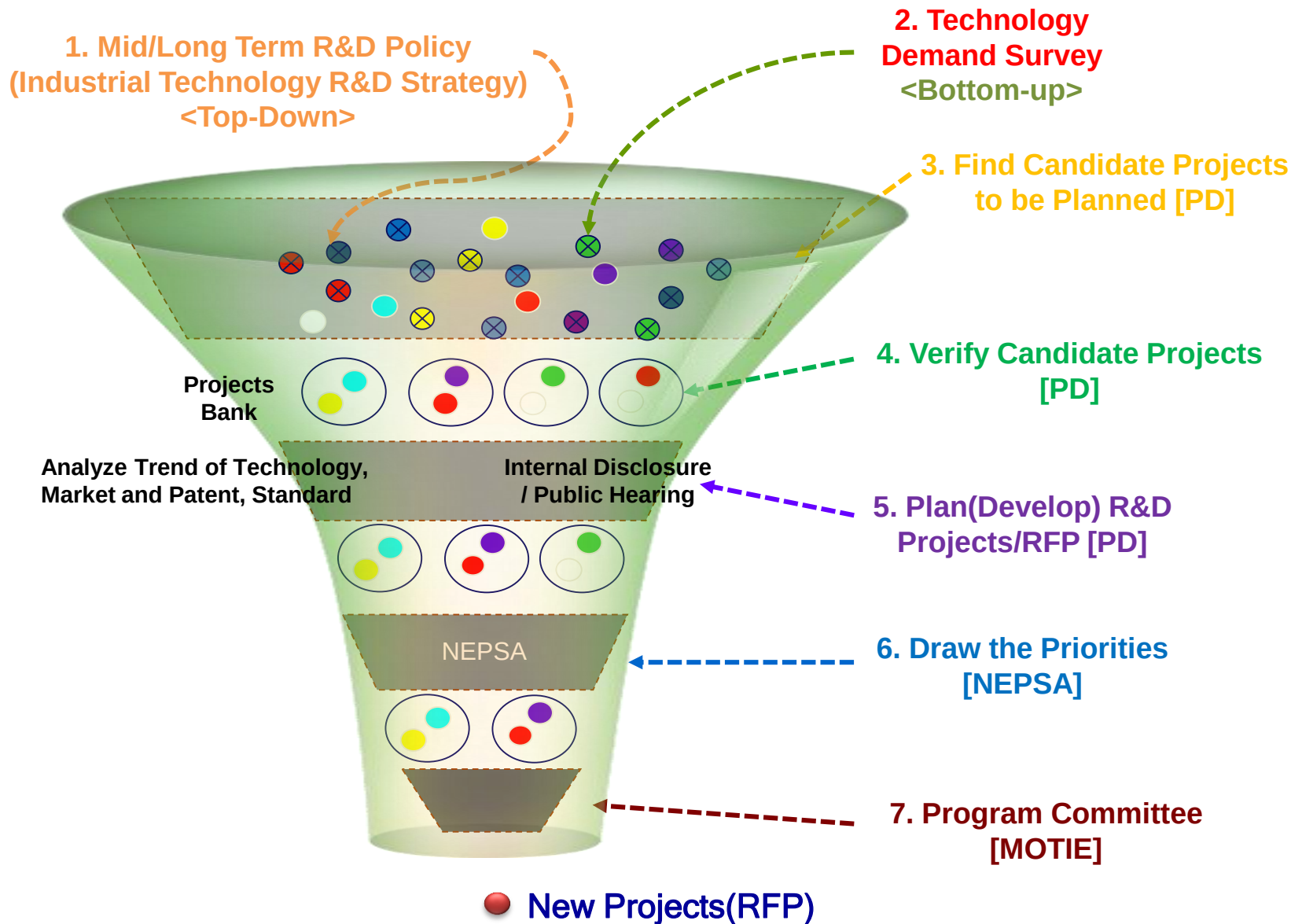
3. R&D Process - Planning (1/3)



Program Directors(23 PDs)

- PDs : Specialists for managing whole R&D process(Planning-Evaluation-Commercialization) of projects in each technology area (**Shipbuilding, Semiconductor, Automobile, etc.**)

3. R&D Process - Planning (2/3)



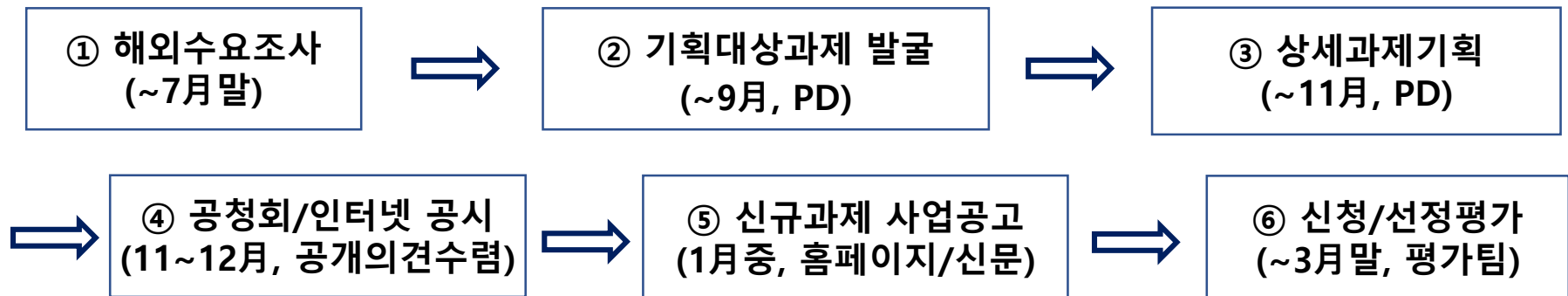
3. R&D Process - Planning (3/3)

해외 기술수요조사(해외 연구자 대상)

기술수요 조사

- (목적) 기술개발 동향 반영된 산·학·연 전문가의 기술개발 아이디어 발굴
- (활용) 산업 경쟁력 제고 및 미래 신산업육성을 위한 전략과제 기획을 위해 다양한 기술수요를 조사하여 산업기술 중장기 R&D사업 발굴 기초자료로 활용
- (규모) 국내 기술수요 접수 1,500~2,000건/년, 해외 약 60~150여건/년

주요 추진 일정



4. Recent Global R&D Projects (1/2)

■ 2023 Korea-EU Collaborative R&D Project Budget Status (Based on Annual Budget for 2023)

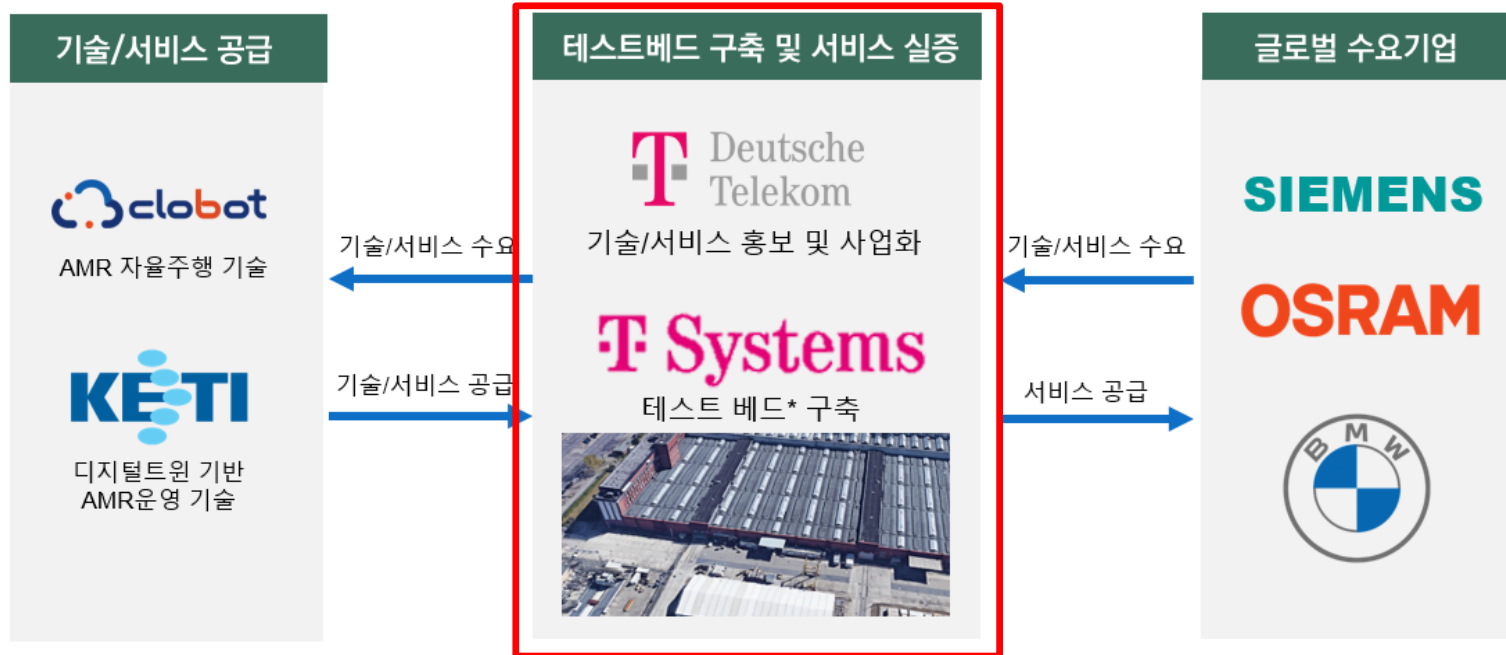
(unit : EUR)

Category	Country	Projects	Total Amount	Amount Supported to EU country's Institute
Europe	Norway	1	535,038	40,121
	Germany	7	4,369,863	619,537
	UK	2	1,330,685	601,817
	Italy	1	324,312	100,302
	Czech Republic	1	735,554	73,555
	France	2	826,496	143,071
Total		14	8,123,219	1,578,127

4. Recent Global R&D Projects (2/2)

Representative Cases of Korea-Europe R&D Cooperation Models

디지털 트윈 기반 산업현장 자율주행로봇(AMR) 최적화 운영 서비스 기술 개발



- 도이치텔레콤 기술 수요제안 (자율주행로봇 실증 운영)
- KEIT 유럽사무소 > 도이치텔레콤 - 한국전자기술연구원 파트너 매치메이킹
- 주관기업 클로봇(Clobot)과 최종적으로 과제제안하여 '23년 과제 선정



Thank you!



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