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ADB CAREC CSPPF-KDI GKEDC
Korea Outreach and Business Engagement Seminar

ADB-KDI GKEDC 중앙아시아 CSPPF 아웃리치 세미나

K-Hub | ADB-Korea
Climate Technology Hub

Introduction to ADB K-Hub

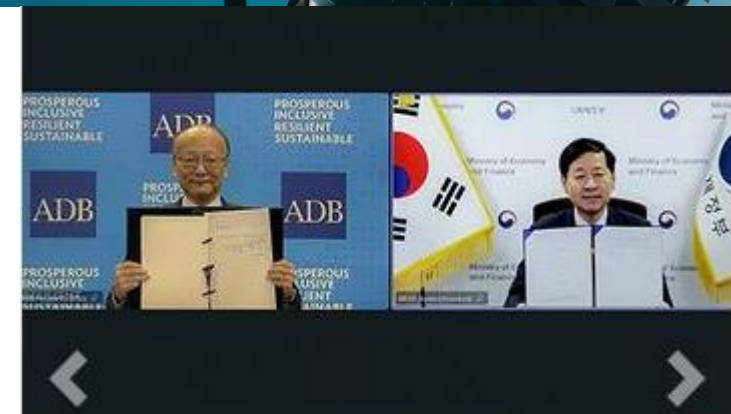


Clyde Hutchinson
Senior Technology Specialist, K-Hub
Asian Development Bank

About ADB K-Hub

- ADB–Republic of Korea partnership to connect developing member countries (DMCs) to climate technologies.
- Activities: policy briefs, tech reviews, matchmaking, and developing partnership to scale climate-resilient innovations.
- Focus areas: digital & AI tools, renewable energy, water resilience, circular economy and food security.

**Technology solutions for addressing
the climate crisis today**



**Republic of Korea, ADB sign host country
agreement on climate technology hub**

Achievement 1: 39 Knowledge Products



***Accelerating Technology Adoption
and Market Creation (February 2026)***



***Supporting SME Access to Finance for the
Green and Blue Transition (March 2026)***



***Building Back Forests: Republic of Korea's
Journey from Deforestation to Reforestation
(April 2026)***



***The Republic of Korea's PPP in
Practice (September 2025)***

Achievement 2: ADB Plastic Waste Discovery Space



Pasig River Plastic Waste Digital Twin, dynamic virtual model of the Pasig River, allowing the tackling of environmental challenges starting with an initial focus on plastic pollution. Through cutting-edge digital technologies, stakeholders **will test plastic reduction strategies** and **simulate river rejuvenation efforts** before real-world implementation

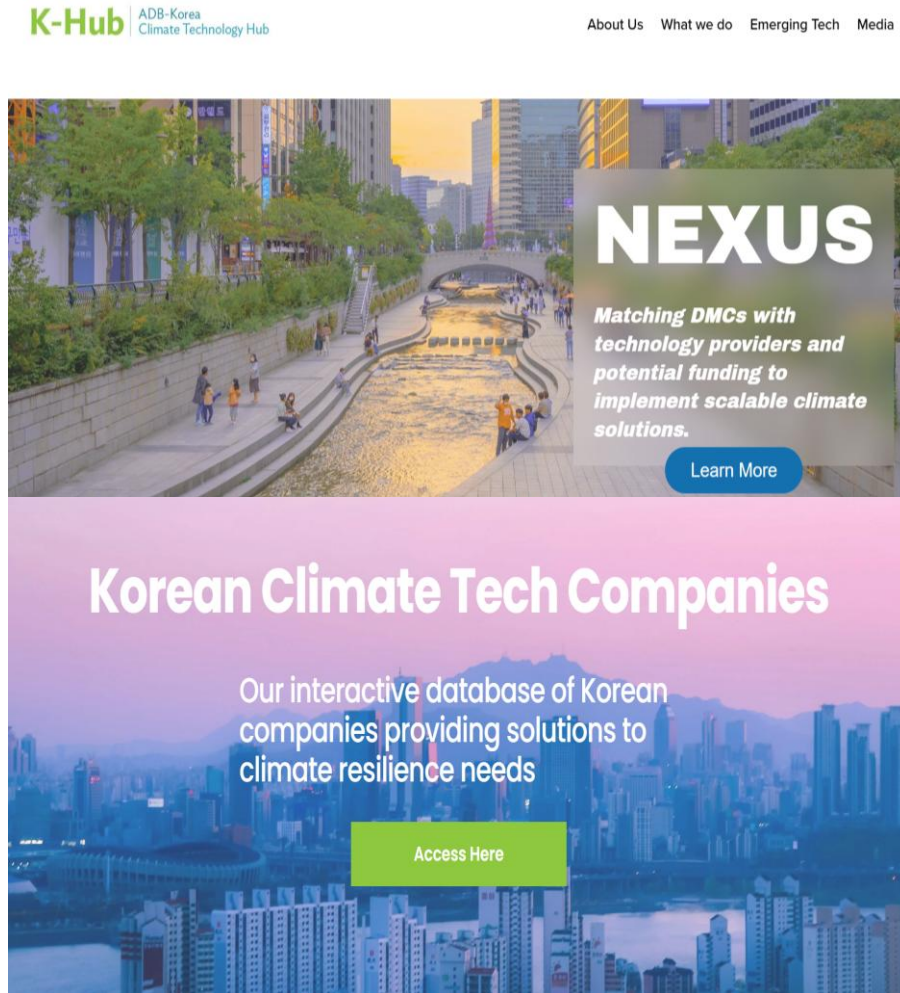
Supported by the Government of Japan's **High-Level Technology (HLT) Fund** through ***Promoting Action on Plastic Pollution from Source to Sea in Asia and the Pacific TA***

Achievement 3: CAREC Climate Resilient Technology Challenge



Competition for technology solutions to climate challenges faced by CAREC countries and selected 10 finalists from 71 bidders to prepare for the forum. Three winners from Korea (i-ESG, Sesu.ai and Scotra) were invited to present in CAREC Technology Forum in Bishkek, April 2026

Achievement 4: K-Hub's Matchmaking Platform



Phase 1 Nexus match-making platform

- Over **200 Korean** climate technology companies listed
- Over **700 DMC** companies across 19 countries in Asia-Pacific.

Achievement 5: Conferences and Training Events



Waves of Change: Blue Economy Workshop, Busan (May 2026)



CAREC Technology Forum, Bishkek (April 2026)



Driving Digital Leadership Program, Seoul (February 2026)



K-Hub Partnership Conference (November 2025)

Achievement 6: Energy Reimagined Webinar Series

EMERGING AREAS | **ENERGY SECTOR** | **K-Hub** | ADB-Korea Climate Technology Hub

Caroline Choi Strategic Planning Team Lead at Gridwiz

Emily Beynon Strategy Director at Octopus Energy

Jesse Cohen Senior Associate at RMI

ENERGY SECTOR REIMAGINED SESSIONS

Virtual Power Plants and the future power grid

25 MARCH 2026 3PM PHT

[REGISTER HERE](#)

Quarterly Webinar series in co-junction with Energy Sector Group, showcases a leading Korean company in each session.

Leading Korean Climate Technology Areas



Clean Energy and Power Systems



Industrial Decarbonization and Materials



Built Environment and Infrastructure



Transport Systems



Agriculture and Natural Systems



Climate Adaptation and Resilience

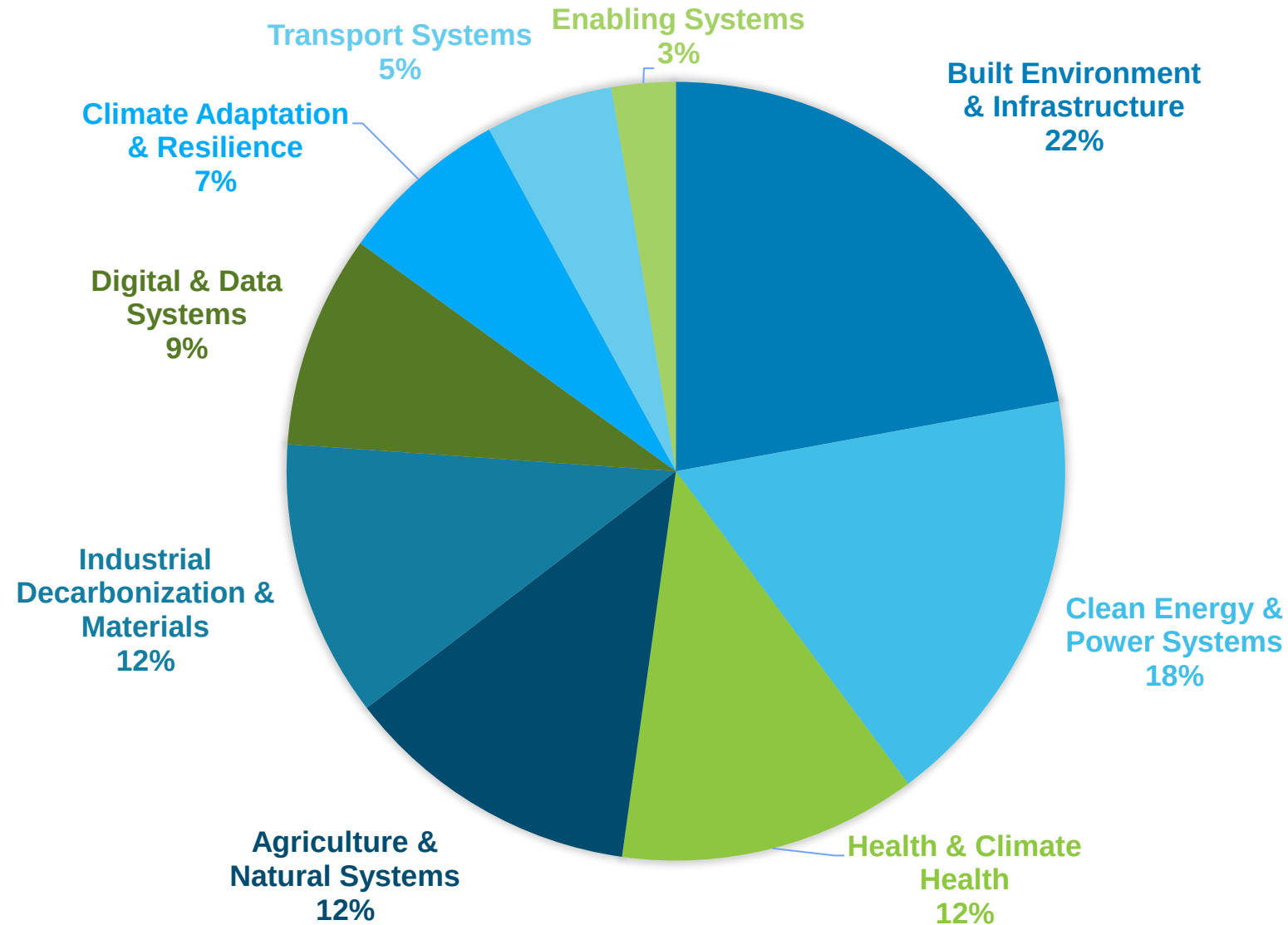


Digital and Data Systems



Enabling Systems

Korean Technology Company Engagement



K-Hub has showcased over **340** Korean technology providers via technology reviews, incoming requests and ongoing collaborations.

Korean Technology Companies Showcased (1)

K-Hub

ADB-Korea
Climate Technology Hub



Clean Energy and Power Systems

K-Water, Hyundai, KOWEPO, KOEN, Doosan, Hanwha, Envelops, Scotra, OCI, Ace Invertor, Dynamic Industry, Econetwork, T&C, U Energy, Yolk, Ingine, SK Geo Centric, Hanki, 4EN, DAEHAN, Forcebel, KPower Energy, Plagen, Energy X, Encored Technologies, KEPCO, KT, SK Telecom, LG Telecom, VPP Lab, 60Hertz, EIPGRID, Enersign, Grid Cure, Henergy, Kevin Lab, LSIS, Pion Electric, Tide, Hyundai, Daewoo E&C, Lotte Chemical, Hyosung Heavy Industries, OCI, LG CNS, Enrich, H2 Butterfly, HMET (FCMT), Hydrochem, Hylum, Jeaeng, Kolon Industries, Nearthlab, Hanwha Ocean, CS WIND, KOMS, Unison, Aeonus, ATB Lab, Bumyeong, EBS Square, Graphene Engineering, Gridwiz, H2 Inc., Mocuratac, Open Energy, Pitin, PM Energy Solution, Poen, Standard Energy, ALG Systems, Allswell, Dawon Electronics, Difon, Geogrid, LG Electronics (THERMA V), Ninewatt, SLG, YET (Yujin Energy Technology Co., Ltd), AtwoM, Byucksan Engineering Co (BEC), Korea East-West Power (EWP), SeAH Wind



Industrial Decarbonization and Materials

Hyundai HI, Vinssen, Hanwha Ocean, Libeco, Seadronix, 2PM Lab, ThanksCarbon, iESG, Carbonsaurus, CNRI, Ecosian, GESIA, Tanso, Who's Good, A Labs, Airrane, Carbon Energy, Eco Catal, Geohtech, KC Cottrell, LowCarbon, Trimass.



Built Environment and Infrastructure

K-Water, SK-Ecoplant, Doosan, Samsung Engineering, Hyundai, LG Water, POSCO, GS E&C, BKT, Woongjin Chemical, WI.Plat, Artwa, FustLab, Solarinno, Ecopeace, Kolon Global, Samhwa, AETECH, Paints, Cheil Engineering, Hankuk, KECC, SuperBin, Ecube Labs, Com2US, Elsetech, ISAN, Samjin, Seijin GNE, Sentinel Innovation, Wintec Glovis, Samsung, LG, SENDEX, Spoon Radio, Dtonic, Penta Security Systems, Innodep, CMI (Supergreen), DI Labs, Epinet, IVS Tech, NDT Engineering, Rootrix, CAST, Ecowill Plus, EEC, Innobus, LD Carbon, Neuro Pack, Oysterable, Repla, Terracle, Today Sugeo, With Me, Innocrs, Pineco



Transport Systems

Dohwa Engineering, Yooshin, Petronics, Plana, CJ Logistics, Bionever, EVAR, Move-a-wheel, PEC, Sea & River Technology, Seoul Dynamics, SK Signet, Softberry, Star Pickers, SUNJIN E&A, Toff Mobility, Verywords, We Allies.

Korean Technology Companies Showcased (2)

K-Hub

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Agriculture and Natural Systems

Samsung, Nuvilab, RE:harvest, Green & Seed, Green Labs, PlanTFarm, Farm8, Daedong KIOTI, Farmers Lab, Nongshim, Tridge, Nousbo, AIS, Farm Staff, Farm360 AI, Micro Balance, Odus, Plantner, Redox, SHIN NONG Co., Ltd., Transfarmer, WeatherPia, Zorvex, Marine Innovation, HN Novatech, SeaWith, Second Ocean, Deasang, Pulmuone, Gijang Sustainable Seaweed Network, CJ Foods, CJ BIO (CJ CheilJedang), Koralo, Microalgae Ask Us, Aenon, Alganic, Arame Materials, CellMEAT, Cellqua, KOF, Deep Plant, Metatexture, Mush&, PMI Biotech, Simple Planet, Spacef, TissenBioFarm, VandalSoft, We Meet, Mycell Project, Oafe, RootsLabs.



Digital and Data Systems

E8ight, LX, VOXP, TINKR, Rebellions, Nota AI, Naver, eSOLUTIONS, Horin, CAIT Engineering, Eco&Partners, EnStar, Gaia Consult, SusIF, Dasiwave.



Climate Adaptation and Resilience

Luxrobo, Doosan, Metaframers, Sheco, Thoth, Dabeeo, Nara Space Technology, SIIS, Tree Planet, IROBO Robotics, EarthEight, Rainbird GEO, SI Analytics



Health and Climate Health

Naver, Samsung, LG, SK Telecom, AIRS Medical, Coreline Soft, HALL, Heuron, Lunit, MEDICAL IP, Medipixel, Mediwhale, Miso InfoTech, VUNO, AIMMED, EverEx, Emocog, LifeSemantics (Sphere), Nooxbio, Nunaps, ROWAN, S-Alpha Therapeutics, Celestra, E-One Healthcare, GC Genome, IMBdx, Macrogen, ROKIT Healthcare, SNP Lab, Carelabs, Dr. Diary Co, Dr Now, Lemon Healthcare, Lulu Medic, KB Healthcare, M-Circle, Huray Positive, Neurabody, Sky Labs, WELT Corp, Medibloc.



Enabling Systems

Watershed, Persefoni, NCX, Sylvera, BeZero, Kita, Climate Engine, Cervest, Pachama, Tomorrow.io, DI Labs.

Upcoming: 2026 Partnership Conference



16-18th September, Grand Mercure
Imperial Palace Seoul Gangnam.
Opportunity for Korean companies to
connect with ADB DMC representatives

Upcoming: The Laundry Transformation Challenge



The Laundry Transformation Challenge

Accessible Technologies to Reduce the Laundry Burden on Women and the Environment.

 Teams of
1 – 10 people

Identify and pilot innovative, affordable, and inclusive laundry solutions. up to **USD 450,000 funding**

Apply by 31 August 2026

<https://challenges.adb.org/en/challenges/tic-laundry>

Upcoming: AI Match Making Tool

Avon Energy

DMC Partner

92
MATCH

Ayon Energy focuses on solar project development and energy storage, matching ROK Solar's sector and technology profile. Viable commercial partner for regional expansion.

Financing	70	Needs	85	Sector	100
Geography	100	Partnership	80	Technology	100

RECOMMENDED NEXT STEPS

→ Explore partnership for combined solar and energy storage project development.

Project-based financing

RELATED AVAILABLE K-HUB DOCUMENTS

Climate Future-Proofing Modelling for Power Infrastructure

technology_review

Relevant for future-proofing grid infrastructure for renewable energy.

WEB-ENRICHED COMPANY INFO

source

About the company

Ayon Energy specializes in the development of turnkey renewable energy projects, managing everything from initial engineering to construction and operational maintenance. The firm combines international expertise with localized knowledge to deliver economically viable and environmentally friendly power solutions. They are currently leading the development of major solar initiatives in Tajikistan to support 100% renewable energy goals.

Products / Services

• Turnkey energy project development • Strategic planning and engineering design • Energy generation and equipment supply • Construction and ongoing maintenance support

Existing projects

Development of 250 MW solar power plants in Asht and Jayhun, contributing to a total project capacity of 500 MW in Tajikistan.

Start Partnership

Only one partner can be selected per application.

Phase 2 AI-enabled match-making platform

- Korean companies can use the AI search tool to identify best matches for DMC partnerships
- Collaboration space to enable partnerships
- Launching September 2026

AI Match Results — Wireframe / POC (React)

Wireframe / POC only — for illustration purposes. Final UI will be built in React.

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on our Korean database**

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partnerships email:
ohutchinson.consultant@adb.org**



The Government of
the Republic of Korea



The Government of
the People's Republic of China



Thank you.