CLEANTECH START-UPS CAN SOLVE CLIMATE CHANGE
Asia and the Pacific is home to **4.4 billion people** (UNESCAP)

About **44 million people** are being added to Asia’s urban population every year. That is equivalent to **120,000 people** a day. (ADB)

**700 million people** in Asia have no access to electricity. (ADB)

**By 2025**

**750 million people** in Asia will be at risk from inland and coastal flooding. (ADB)

**By 2030**

Agriculture will need to produce **60%** more food globally and **100%** more in developing countries using diminishing water resources. (ADB)

**By 2035**

Asia will have more than **1 billion vehicles** (Clean Air Asia)

As much as **80% of air pollution** in Asia’s cities are already attributable to transport. (ADB)

Asia will emit **20 billion tons of CO₂** representing **46%** of the planet’s emissions

and

**By 2050**

**88% of Asia’s population** will experience water scarcity. (ADB/IIASA)

**Consume** **54%** more energy. (BP Outlook)
Cleantech refers to innovative technologies, products, and services that enable the more efficient use and management of energy and natural resources, reducing waste while providing superior performance at lower or comparable costs. It covers:

- Clean energy and energy storage
- Green materials
- Energy and resource efficiency
- Sustainable agriculture
- Sustainable transport
- Water, land, and air quality
- Recycling & waste
- Smart cities
- Smart grids
- Smart industry

New disruptive innovations are unlocking new big cleantech markets

$1.3 trillion
Global market for clean technologies by 2020
(Frost & Sullivan)

$640 billion
Annual market for clean technologies in developing countries in the next 10 years.
(World Bank)
Large-scale and widespread deployment of cleantech solutions

Scalable and bankable cleantech solutions and business models

Strong and investable cleantech entrepreneurs

Cleantech start-up support
Entrepreneurs and start-ups are driving disruptive innovation and the growth of clean technology.

They develop the technologies, business models, products, and services required to deploy and finance cost-effective cleantech solutions at scale.

They create jobs and new opportunities for inclusive growth.

70% of renewable energy companies in the People’s Republic of China were founded after 2010

4 of top 10 global electric car manufacturers are less than 15 years old

75% of India’s solar PV capacity installed by young entrepreneurs

8 of top 10 global solar PV manufacturers are less than 20 years old

In Asia, major barriers include:

- **Lack of cleantech entrepreneurs**: Less than 2%
- **Lack of access to risk capital**: Less than 10%
- **Lack of cleantech communities and support systems**: Less than 5%

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HOW ADB SUPPORTS THE CLEANTECH START-UP JOURNEY

DEVELOP THE IDEA

- Agriculture
- Recycling
- Transport
- Energy Efficiency
- Renewable Energy
- Water
- Smart Cities

What are the OPPORTUNITIES?
- Recycling
- Agriculture
- Energy Efficiency
- Transport
- Renewable Energy
- Water
- Smart Cities

START-UP CAFÉ PHILIPPINES
In partnership with IdeaSpace, ADB organized the first major cleantech event in the Philippines, bringing together 200 participants including start-ups, investors, policy-makers and researchers.

NEW ENERGY NEXUS
Together with California Clean Energy Fund, ADB supports the New Energy Nexus to map the challenges and best practices of cleantech start-up accelerators and incubators around the world.

SHARE CLEANTECH KNOWLEDGE AND BUILD NETWORKS

- Angels/family/friends
- Banks
- Venture Capital/Private Equity
- Corporate investors

MORE INVESTABLE CLEANTECH BUSINESSES
ADB works with:
- Leading cleantech accelerators, incubators, and start-ups across Asia

MORE RISK CAPITAL FOR CLEANTECH BUSINESSES
ADB provides expertise, advice, and support:
- First-time cleantech VC/PE funds and investors
- Non-institutional investors
- Public-private & non-equity financing

ACCELERATE THE START-UP
ADB partnered with Powerstart, India’s leading cleantech accelerator programme. Out of 400 business plans evaluated, 40 start-ups received training from among 100 mentors and experts, with 12 successfully receiving financing.

POWERSTART INDIA

RAISE CAPITAL

- Kazakhstan
- India
- Viet Nam
- People’s Republic of China
- Philippines

INCREASED CLEANTECH KNOWLEDGE
ADB supports:
- Cleantech innovation trends
- New business and investment models
- Cleantech policy analysis
- Industry survey & mapping

SCALe THE BUSINESS

$1.3 TRILLION GLOBAL CLEANTECH MARKET BY 2020

GRAB THE MARKET

ADB $6 billion annual climate financing target

STRONGER CLEANTECH ECOSYSTEM
ADB supports and convenes:
- Networking events
- Hackathons
- Industry–start-up gatherings
- Cross-border collaborations

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About the Asian Development Bank

ADB’s vision is an Asia and Pacific region free of poverty. Its mission is to help its developing member countries reduce poverty and improve the quality of life of their people. Despite the region’s many successes, it remains home to the majority of the world’s poor. ADB is committed to reducing poverty through inclusive economic growth, environmentally sustainable growth, and regional integration.

Based in Manila, ADB is owned by 67 members, including 48 from the region. Its main instruments for helping its developing member countries are policy dialogue, loans, equity investments, guarantees, grants, and technical assistance.

About ADB’s Asia-Pacific Climate Technology Finance Center

ADB’s Climate Technology Finance Center seeks to accelerate clean technology entrepreneurship and investment in Asia by supporting activities, programs, and partnerships that aim to produce:

1. More investable cleantech businesses
2. More risk capital for cleantech businesses
3. Increased cleantech knowledge
4. Stronger cleantech ecosystem

The more cleantech start-ups we have today, the more cleantech leaders we have tomorrow.