

AI-Powered Transformative Growth Across the Region

POHANG TECHNOPARK

AI-Driven Innovative Growth Platform
Pohang Technopark

<https://www.ptp.or.kr>



Chairperson
Park Yong-sun

We will **lead technological innovation** in our region.

I am Park Yong-sun, Chairperson of the Pohang Technopark Foundation and Mayor of Pohang.

Pohang stands at the center of profound change: a structural crisis in steel, rapid technological transformation, and an aging and shrinking population. At a time like this, the city and our innovation institutions must move in one direction — not growth for its own sake, but stronger fundamentals, sustainable growth, and a renewed leap forward.

As Mayor, I am pursuing structural reform across public finance, the economy, urban development, and welfare, and the same principle guides Pohang Technopark. As the core platform for regional industrial innovation, it will focus on the local economy, youth employment, and future industries, while backing technological innovation and the green transition through hydrogen-based steelmaking and the low-carbon steel cluster.

We will strengthen our ladder of support for companies at every stage, from startup to scale-up to mid-sized enterprise. And through AI-driven industrial transformation and an expanded portfolio of emerging industries, we will make Pohang an innovation hub leading Korea's Era of Regional Empowerment.

Beginning always from the voices of businesses on the ground, we will lead Pohang's Transformative Growth so that its rewards are shared by all who work here. I ask for your continued interest and support.



President
Song Gyeong-chang

We will contribute to **regional economic vitalization** and job creation.

I am Song Gyeong-chang, President of Pohang Technopark.

Pohang Technopark is the region's leading industrial innovation institution, supporting corporate growth, promoting R&D, and fostering emerging industries. Building on cooperation among industry, academia, research institutes, and government, we have driven the sustainable development of our regional industrial ecosystem.

Pohang is the city that powered Korea's industrialization, with steel at its center. Now is the moment for a new leap: Transformative Growth, achieved through industrial structural transformation and the fostering of future industries. At the center of this change, Pohang Technopark will pursue development strategies suited to the region's character and strengthen its role as the lead agency for industrial innovation in Korea's Era of Regional Empowerment.

Our highest priority is the AI transformation of manufacturing, linking technology demonstration, workforce development, and business support so that AI takes root across industry. We will also build a comprehensive innovation ecosystem for our core emerging sectors — green steel, rechargeable batteries, hydrogen energy, and green biotechnology. Through an open innovation platform uniting companies, research institutes, universities, and local government, we will do our utmost to make Pohang a leading city of industrial innovation in Korea.

01. Overview



We present a vision for local industries through technological innovation

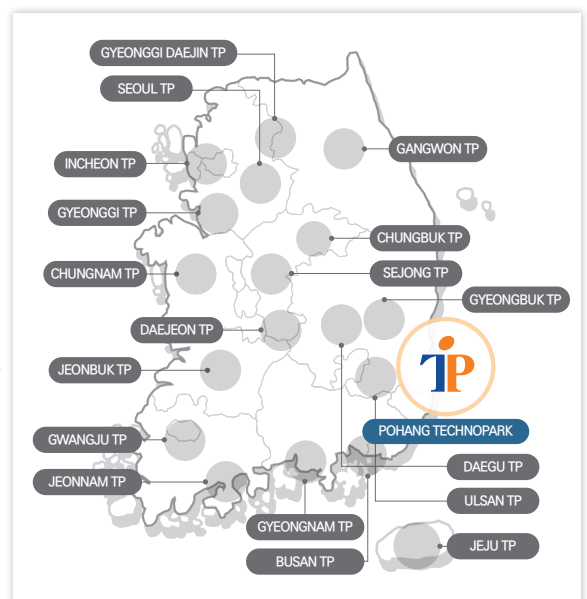
Pohang Technopark is a regional innovation hub established in 2000 to foster new knowledge-based industries. Pohang Technopark has about 100 employees and operates about 120 entrusted projects valued at KRW 170 billion annually. It is responsible for supporting local industry development, R&D, commercialization, and training of human resources. Around 100 companies are currently located at Pohang Technopark, collectively employing approximately 1,500 people.

Pohang Technopark strives to be an institution that grows together with the local community. We aim to establish a sustainable growth model for local industries by fostering SMEs through technological innovation and various policy proposal activities to resolve local issues.

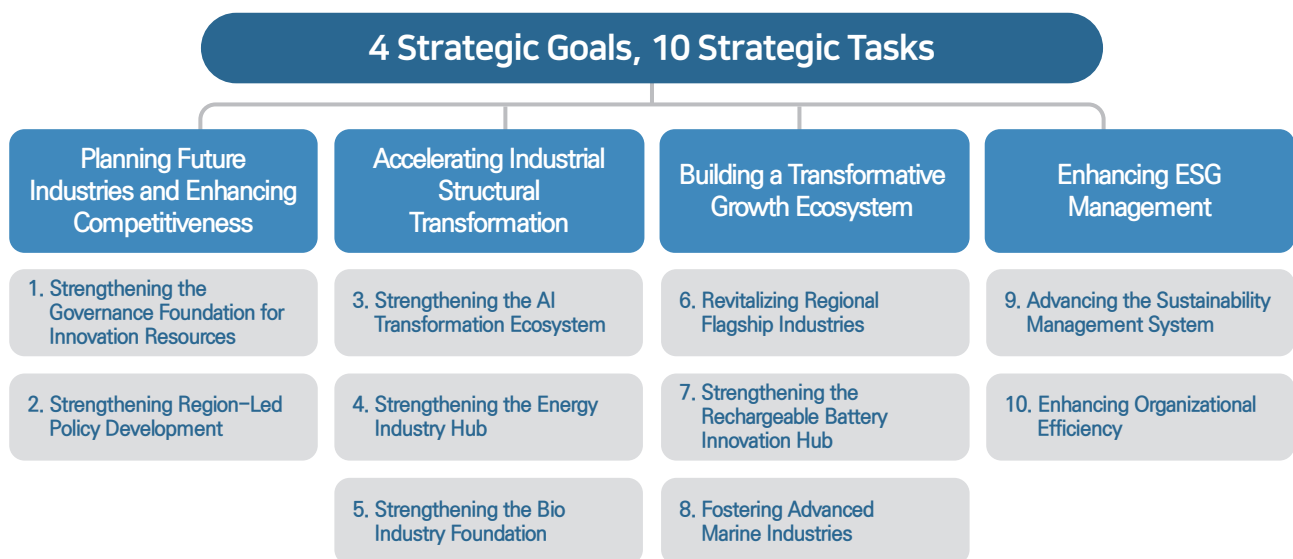
02. Brief history

- 2000.03** ○ Establishment of Pohang Technopark
- 2002.12** ○ Completion of the Main Office Building and Venture Building I
- 2003.07** ○ Designation as an Integration Facility for Startup Businesses
- 2011.11** ○ Opening of the Advanced Bio Support Center
- 2015.10** ○ Opening of the Gyeongbuk SW Convergence Cluster Hub
- 2016.05** ○ Declaration of the Pohang R&BD Institution Association vision
- 2019.12** ○ Completion of Venture Building V
- 2021.05** ○ Completion of the Pohang Knowledge Industry Center
- 2021.12** ○ Designation by the Ministry of Science and ICT as Gyeongbuk's SW Industry Promotion Agency
- 2022.03** ○ Completion of the Green Vaccine Demonstration Center
- 2023.07** ○ Launch of the Hydrogen Fuel Cell Power Generation Cluster
- 2024.07** ○ Opening of the Smart Industrial Complex
- 2025.10** ○ Top rating in Pohang City's anti-corruption policy evaluation
- 2026.03** ○ Opening of the Green Biologics Commercialization Support Facility

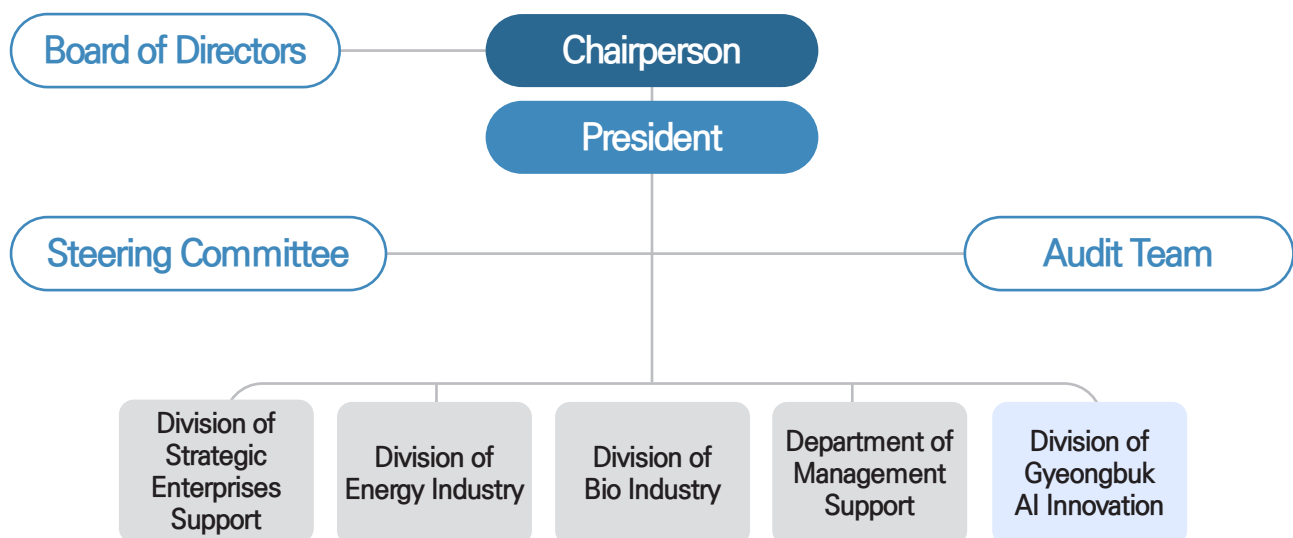
Nationwide Technopark



03. Mission and Vision



04. Organizational Structure



05. Facility Information

Pohang Technopark Complex (Hyogok-dong), Main Site



- Pohang Technopark Complex (Hyogok-dong), Main Site : Cluster of venture companies (70 tenant companies), gross floor area of 40,556m²
- Pohang Knowledge Industry Center : Fostering promising companies in bio, energy, ICT (30 tenant companies)
- Green Vaccine Demonstration Center : Pilot production and efficacy evaluation of veterinary medicines
- Green Bio Venture Campus : Incubating and fostering green bio venture companies (Scheduled to open in 2027)
- Advanced Marine R&D Center : Cluster of advanced marine companies (Opened in 2025)

06. Business Areas

Fostering small but strong enterprises through business support services.

01

Division of Strategic Enterprises Support

Building new growth sectors into regional strategic industries

- Identifying strategic industries that fit local conditions
- Planning new projects: graphene, low-carbon steel transition

Growing strong SMEs and upgrading the investment platform

- Linking firms to technical support from innovation institutions
- Running and improving regional fund-based investment support

Industrial crisis response and innovative growth across the value chain

- Tailored crisis support and AI scale-up for SMEs and startups

Stronger industry-academia-research networks and council operations

- Finding joint projects through research groups and cross-department networks
- Closer ties with local associations via dedicated company managers

Carbon neutrality by fostering green energy industries.

02

Division of Energy Industry

Building a hydrogen industry ecosystem

- Hydrogen fuel cell power generation cluster
- Pohang Hydrogen City project / hydrogen transport hub
- Expert group for hydrogen industry development
- Strengthening hydrogen fuel cell industry competitiveness
- Support for prospective hydrogen specialist firms

Regional energy policy and new industry development

- Strengthening competitiveness of nuclear supply chain firms
- Fostering leading nuclear energy companies
- Support for public-led large-scale offshore wind farms
- Design study for an ultra-large offshore wind testbed
- Gen-IV SMR (AMR) foundry innovation forum

Expanding energy deployment and building community acceptance

- Commercialization support for specialized energy firms
- Fostering carbon-neutral technology industries
- Integrated renewable energy support program

A hub for promising bio industries.

03

Division of Bio Industry

Building a green bio industrialization hub	· Green Vaccine Demonstration Center (animal vaccine development and validation) and company support · Green Biologics Commercialization Lab (veterinary drug development and validation) · Green Bio Venture Campus (startup incubation facility) · Advanced analysis system for green bio materials (biofoundry) · Global cooperation network for the green bio industry · Full-cycle support for green bio firms and operation of the industry district
Fostering region-specific new growth bio industries	· Identifying and growing bio industries based on local specialized technologies · Advanced regenerative medicine built on bioprinting and cell culture infrastructure · Food tech, exosomes, disposable medical devices, and related sectors
Hub for BT company discovery and commercialization	· Accredited bio testing and certification body (KOLAS / MFDS) · Finding promising BT firms and supporting technology commercialization · Support for using national research facilities and equipment, and bio material discovery

A leader in digital innovation in Gyeongsangbuk-do.

04

Division of Gyeongbuk AI Innovation

Strengthening support capacity for digital companies	· Regional rollout model for CHANGeUP GROUND · On-device AI service demonstration and diffusion · Building the foundation for AI convergence in manufacturing · Demonstration and diffusion of industrial AI solutions · Hyperscale AI cloud farm demonstration and AI diffusion environment · Gyeongbuk Information Security Support Center · Region-led digital innovation projects
Strengthening the region's digital talent hub	· ICT Innovation Square expansion · SW Talent Development Program · SW Future Chaeum Program
Activating the digital transformation data platform	· Gyeongsangbuk-do SW Quality Center (KOLAS) · Support for building a data center testbed · Growing the AI industry through small-scale data centers



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