Global leading platform for connected Health in KOREA
Medical Industry Mecca!

Wonju Medical Industry Techno Valley
Will always be with you.

A bright future is guaranteed for Korea’s medical device industry.

‘Wonju Medical Industry Techno Valley’ was initiated by a spontaneous help and close cooperation between local government and universities. It has been growing for 18 years with remarkable achievements in terms of quantitative and qualitative aspects thereof.

‘Wonju Medical Industry Techno Valley’ was founded in 2003. It has been providing enterprises therein with ‘MEDISTRY’ as a global cluster in providing medical equipment and instruments.

‘Wonju Medical Industry Techno Valley’ established customized ‘MEDISTRY’ provision system for companies with the intention of becoming ‘Strong & Small’ global companies throughout the cycle of developing medical device from each start-up.

The ‘MEDISTRY’ currently include comprehensive supports for multilateral analyses on preceding technologies, mechanical & instrumental design, pilot production, safety and reliability tests to secure conformity to international standards, and activities for making inroads to global market for corporations to have global competitiveness.

‘Wonju Medical Industry Techno Valley’ will continue cultivating professional human resources, promoting the convergence of R&D based innovative technologies, supporting the global network for interchange and collaboration, supporting business incubation, supporting exhibitions through available exhibition halls, and guiding domestic corporations to enter international procurement markets, especially in the field of healthcare and state-of-the-art medical instrument technologies with bio-convergence.

Wonju Medical Industry Techno Valley
Wonju Medical Device Industry, the creator of a legend!

The Wonju Medical Device Industry is consistently stepping forward with no hesitations.

1998
- Established the incubator for Wonju Medical Device
- Designated as the Regional Research Center for medical measurements and rehabilitation engineering (Ministry of Science and Technology, Korea Science Foundation)

1999
- Officially opened as the start-up incubation center for Wonju Medical Device
- Established the industrial technology complex for Wonju Medical Device (based factories - 19 companies)
- Designated the Technology Innovation Center for cutting-edge medical devices

2000
- Known as the complex for stimulating venture companies

2001
- Formulated the Post-01 company
- Built the promotion center for Wonju medical device industry (BIF, SP)

2002
- Signed the establishment project for the Wonju Medical Industry Techno Valley

2003
- Initiated the construction of the Wonju Medical Device Industrial Complex (Munmu - Donghee, 300,000m^2)
- Constructed the Cutting-edge Medical device Techno Tower inside Yerans University (Wonju)
- Start-up incubator, company research center, medical device training center, TC, RFC
- Completed expanding the Wonju Medical Device Industrial Complex (inside the Taejang-Agricultural and Industrial Complex)

2004
- Joined the 20th Korean International Medical & Hospital Equipment Show (KIMES) Booth for Wonju
- Designed as the pilot complex for clustering the Wonju Medical Device Industrial Complex
- Established the Wonju Medical Device Industrial Complex (33 blocks)
- Inaugurated the 2nd President of the Wonju Medical Industry Techno Valley (Hyungro Yoon)
- Established the booth in the MEDICA, Germany

2005
- Ranked as the 1st in the electronics, semiconductors sector from the 3rd year of local industry promotion projects (local industry foundation establishment project)
- Established the promotion team for Wonju Complex Innovation Cluster
- Declared the U-health City
- Built the cutting-edge medical device venture center (BIF, SP)

2006
- Ranked as the 1st in the electronics, semiconductors sector from the 6th year of local industry promotion projects (local industry foundation establishment project)
- Earned the grade-A for the performances of the Wonju Complex Innovation Cluster
- Inaugurated the 1st Gangwon Medical Devices Show (KIMES 2006)

2007
- Completed the cutting-edge medical device venture center (BIF, SP)
- Hosted the 2nd Gangwon Medical Devices Show (KIMES 2007)

2008
- Inaugurated the 3rd President of the Wonju Medical Industry Techno Valley (Yeongho Kim)
- Signed agreement on the 2nd-phase local strategic industry promotion projects

2009
- President Lee visited Wonju Medical High School (designated as the only area medical devices Master high school)
- Established the Foundation for Wonju Medical Industry Techno Valley

2010
- Inaugurated the 4th President of the Wonju Medical Industry Techno Valley (Wahnkil Chung)
- Declared the vision 2020 for the developments of the Gangwon medical device industry
- Signed the agreement between Wonju and Daejeon

2011
- Inaugurated the 5th President of the Wonju Medical Industry Techno Valley (Wanbok Lee)
- Constructed the Cutting-edge Medical Devices Multi Complex Center (MCC, currently the Medical device Complex Center)
- Inaugurated the 4th President of the Wonju Medical Industry Techno Valley (Hyungro Yoon)

2012
- Inaugurated the 6th President of the Wonju Medical Industry Techno Valley (Wanbok Lee)
- Constructed the Cutting-edge Medical Devices Multi Complex Center

2013
- Designated the technology support center as the U-label certificate
- Constructed the Medical Device Complex Center (MCC)

2014
- Participated in the Visit to Germany (Signed an MOU with Biosaxony, Dresden, Saxony, Germany)
- Promoted the Project to Support Enterprises of Medical device Export
- Selected and Promoted the P-Value Project of Economic Cooperation Program

2015
- Inaugurated the 4th President of the Wonju Medical Industry Techno Valley (Wahnkil Chung)
- Opened the Exhibition Hall for Medical Instruments and Equipment for Living
- Hosted the 11th Gangwon Medical Devices Show (KIMES 2015)
- Established the Medical and Long-term Vision 2020 for the Development of Medical device Industry
- Concluded an MOU with Jin Xian County, Nan Chang City, Jiang Xi Province, China
- Participated in “Wonju Joint-Exhibition in Jiang Yong Country Expo”
- Participated in the MEDICA of Germany and promoted Business Cooperation and Exchange with Biosaxony, Dresden, Saxony, Germany
- Promoted the Plan to Cultivate Regional Strategic Industries for Regulation-Free Zones

2016
- Visited by the Prime Minister and Ministers of the Ministries of Welfare and Future
- Participated in the MEDICA of Germany
- Built Electromagnetic Wave Test Facilities (EMC Chamber)
- Concluded an MOU with Health Insurance Review & Assessment Service and ‘Samsung Medical Center, Seoul’
- Prepared the Wonju Joint-Exhibition Hall for KIMES 2016
- Participated in Economic Delegation to Iran
- Held the Meeting for the Promotion of Joint Purchase of Equipment for Living

2017
- Wonju Medical Device Export Agreement
Development of medical device industry

The Gangwon Medical Device Industry takes lead in globalized the Korean medical devices industry and accounts for 5% of companies in Korea. This industry accounts for 11% of the medical device production and 15% of the exports in Korea.

We are composed of companies with firm and solid foundations!

The Wonju Medical Industry Techno Valley plays a crucial role in stepping towards the global market.

**Mission & Vision**

**Mission**

Facilitation of Industrial Eco-System for Sustainable Development of Wonju Medical device Industry

**Vision**

“Global Connected - Health Leading Platform”

**Business philosophy**

Customer Orientation | Enhancement of Specialty | Social Responsibility

**Getting Inroads into New Market**

- Customized Support for Enterprises
- Securing Growth Power for Next Generation
- Initiation of the Network of Medical device Industry
- Establishing Foundation of Industrial Promotion

**Key Projects**

1. Development of the “Connected Health Process”
2. Promotion of Cooperation with Professors Institutions
3. Promotion of Cooperation with Overseas Institutions

**Vision 2025 for the Development of Medical Device Industry**

The Wonju Medical Device Industry is consistently stepping forward with no hesitations.


<table>
<thead>
<tr>
<th>Items</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>CAGR (2-Year%)</th>
<th>Ratio of Increment (Comp. with Previous Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Production (Trillion KRW)</td>
<td>4,224.749</td>
<td>4,604.814</td>
<td>5,013.618</td>
<td>8.81%</td>
<td>108.42%</td>
</tr>
<tr>
<td>Export (10 Thousand USD)</td>
<td>257.631</td>
<td>271.071</td>
<td>271.071</td>
<td>7.24%</td>
<td>105.19%</td>
</tr>
</tbody>
</table>


![Graph showing the growth of medical device industries from 2005 to 2015]
The core of the company supports - development of world-class medical devices!

The technology is the competitive edges of the company. The core part of Wonju Medical Industry Techno Valley is the MEDISTRY support service from creating ideas to their commercialization. A ground-breaking support program with product development technologies using know-hows of company supports and cutting-edge equipment!

Unprecedented and distinct services are waiting for you.

The only things you need are your willingness idea and your passion.

Enjoy the one-stop total solution with the experience and the infrastructure of Wonju Medical Industry Techno Valley.

MEDICAL + INDUSTRY

- Provides and analyzes the medical devices market data
- Provides idea consultation and commercial researches
- Reviews technical viability of products
- Reviews international standards

01 Ideas consultation

02 Product and Mechanical Design
- Determines the product design concepts
- 3D modeling and rendering
- Mechanical designs

03 Prototype Production
- Precise parts processing
- Post-treatment processing and assembling
- Manufactures tailor-made PCB

04 Quality and Regulatory Support
- Provides test environments for local and overseas standards
- Obtains reliability and safety test
- Supports clinical tests for local and overseas standard achievements

05 Marketing & Exporting Support
- Supports local and overseas marketing services
- Supports exhibition participations

Total Solution
- Provides and analyzes the medical devices market data
- Provides idea consultation and commercial researches
- Reviews technical viability of products
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- Determines the product design concepts
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- Supports local and overseas marketing services
- Supports exhibition participations

The only things you need are your willingness idea and your passion.
Step. 01
Idea Realization

Incubator consulting are based on the medical device market analysis

- Company consulting services based on the analysis of medical devices market data and product trends
- Idea realization predicts the value-added and technical competitiveness of products
- Introduce tailor-made supports which contributes to quick product developments and saves costs

Step. 02
Product & Mechanical Design

Innovative product designs to commercialize high quality medical devices

Design
- Develop the product designs by considering product functions, shapes, usability and international specifications for the medical devices

Mechanical design
- Quantitative designs by considering internal and external functions of the product
- Predict faults in advance by assembling and operating in the computerized environment
- Reverse designs to create product design data for real products without data
Step. 03

Prototype Production

Operates highly precise automatic process system to form the designated data into the product

- Product of high fidelity prototype based on the design
- Review problems, assemblies and mass productions of the design in advance to complement the design
- Prepare automation systems including machine tool, rapid modeling equipment and SMT system

Step. 04

Quality & Regulatory Support

Supports local and overseas common tests and inspections to secure global competitiveness

Safety and reliability test
- Secure safety by verifying and evaluating the reliability and durability of the newly developed products
- Utilize test facilities and research device for the medical device

Support clinical tests and overseas specifications (certifications)
- Discover tasks for clinical tests and link such tests for product commercialization
- Support to obtain overseas standards and certificates

Mechanical impact test
- EMC test
- Solar test
- Temperature and humidity test
- Water spray test
- Saline test
- Lightning test
- Temperature and humidity test
- Sand and dust test
- Acceleration test

Assemble products

Post-processes (paint, print)

Check dimensions for assembling and reviewing

Precise parts processes

PCB production

Working Mock-up
Step. 05
Marketing & Export Support

Support local and overseas marketing and export to explore markets

- Support local and overseas marketing services
  - Sales agent: Product promotions, open branches
  - Support establishing overseas service centers

- Support exhibitions participation
  - Establish Wonju Hall in the international medical devices exhibition
  - Host the Gangwon Medical Devices Show (GMES)

Nurture global brand
- Establish local and overseas sales networks by forming strategic partnerships
- Support exporting projects inclusive of the ODA
- Support creating overseas sales networks through opening common branches
- Maintaining overseas sales networks through supports on exhibition halls

The Project for developing international certificate evaluation technologies for medical device

- Overview
  - Develop common platforms for technical and quality documents required for obtaining license and approval of medical devices in accordance with the IEC60601-3 3rd Edition. After that, develop and distribute related evaluation technologies such as risk management and software validation
  - Provide human resources to the certification markets by nurturing experts
  - Provide licenses, approvals and market information about regional medical devices and latest certificates information
  - Invigorate exports by developing test evaluation technologies for IEC60601-1 3rd Edition items

- Support
  - Support consulting license and approval for medical devices and reviewing related documents
  - Support preliminary tests with the Wonju Medical Industry Techno Valley for local electronic medical device manufacturers

- Supported
  - Local medical device companies which produce electronic medical devices

Support in joining local and overseas exhibitions
Operation in exhibition halls for medical devices
Support the establishment of overseas service centers
It is the time to go beyond Korea, to the global arena.

The first medical device exhibition hall in Asia

The foundation establishes ground for entering the global markets with successful marketing performances.

**Medical device exhibition hall**

The exhibition hall operates 365 days to support global businesses by providing product promotions, acts as a meeting point for local and foreign buyers, and holds forums, seminars and conferences for medical devices which is recognized as a marketing center that connects sale revenues.

**Overview**

- **Location**: Inside the Medical Device Complex Center
- **Area**: 2 floors, 4,693m²
- **For**: Local medical device manufacturers and distributors

- **Product promotions**
- **Meet local and foreign buyers**
- **Holds the GMES**
Wonju will stand next to you as part of the innovative medical cluster.

The foundation comprehensively and systematically supports and nurtures the medical industry in order to expand the growing infrastructure of related industries, advanced local industries, sharpen competitive edges and contributions to the local developments.

**Wonju City**
- Designated as special zone for health and medical industries
- Designated as a health city by the WHO
- Designated as an innovative city
- Designated as a corporate city

**Education Agency**
- Kangwon National University
- Gangneung Wonju National University
- Wonju Medical High School
- Kwandong University

**Related and Supporting Institutions**
- Ministry of Trade, Industry and Energy
- Small and Medium Business Administration
- Gangwon-do Province
- Korea Testing Laboratory
- Research Institute for Gangwon
- Gangwon Techno Park
- Gangwon Regional Business Evaluation Institute
- Korean Trade Association
- Korea Trade Investment Promotion Agency
- Korea Industrial Complex Corporation
- Small and medium Business Corporation

**FINANCIAL INSTITUTION**
- Gangwon Fund
- Korea Technology Credit Guarantee Fund
- Korea Credit Guarantee Fund
- Korea Development Bank
- Export-Import Bank of Korea

**HEALTH AND MEDICAL INSTITUTION**
- Health Insurance Review & Assessment Service
- National Health Insurance Service
- The Republic of KOREA National Red Cross
- Korea Veterans Health Service

**Medical Industry Techno Tower**
- For POST-BI
- Rental factory with the size of 33,058m²

**WONJU MEDICAL INDUSTRY TECHNOLOGY CENTER**
- Size: 332,001m²
- Heart of the Wonju medical devices industry
- Clustering of advanced medical devices manufacturers

**Venture Center (KTL)**
- Size: 4,783,001m²
- Start-up and company research institutes
- Advanced supporting equipment and facilities
- Institute of Medical Engineering, Yonsei University, Yonsei Medical Devices Development & Promotion Center, KTL, KICOX

**Medical Industry Techno Tower**
- Medical Devices Complex Center (Wonju Enterprise City)
- B1F, 10F (Industrial site: 866,231m²)
- Medical devices manufacturers, exhibition hall

The city has everything to become a world-class medical devices city. The environment of Wonju not only provides industrial sites, but also all the systems for companies based on a comfortable residential environment.
Wonju, the first city in Gangwon, is evolving again.

Enter the metropolitan area within 50 minutes. Wonju, the gate to Gangwon and equipped with transport infrastructure amounting to 1.9 trillion KRW! The city owns the biggest benefits for the 2018 Pyeongchang Winter Olympic Games with the expansion of existing highways and the Gwangju-Wonju Highway currently under construction.

- **Road**
  01. Gwangju-Wonju Highway with 4 lanes roundtrip connecting the Jungbu Highway and the Yeongdong Highway (completed in 2016)
  02. Completed expanding of 4 - 6 lanes between Singal and Yeoju in the existing Yeongdong Highway

- **Railroad**
  01. Completed constructing double lanes between Cheongnyangri and West Wonju
  02. High-speed railway for Incheon International Airport-Cheongnyangri-West Wonju-Pyeongchang-Gangneung (completed in 2017)
Relieve the burden on companies by providing the best location and benefits.

The techno valley provides all the services for business administrations based on a 15-year know-how that achieved substantial growth and infrastructure in the medical devices industry.

All are ready to support companies.

### Subsidies (central and local governments)

<table>
<thead>
<tr>
<th>Category</th>
<th>Subsidy</th>
<th>Limit</th>
<th>For</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site purchase subsidy</td>
<td>Up to 40% of land purchases (30% of the rental deposits for rental)</td>
<td>12 Billion KRW</td>
<td>Transfer company</td>
</tr>
<tr>
<td>Investment subsidy</td>
<td>7 - 20% of investments in factories, facilities and equipment (inside the enterprise city)</td>
<td>2 Billion KRW</td>
<td>Transfer company</td>
</tr>
<tr>
<td>HQ transfer subsidy</td>
<td>1 million KRW per capita exceeding 10 employees working in the HQ</td>
<td>1 Billion KRW</td>
<td>Transfer company</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Category</th>
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<th>Limit</th>
<th>For</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rental factory</td>
<td>Enterprises moving into the cluster until the rate of move-in reaches 90% will benefit from basic charge discounted of 7,500 KRW, resulting in 12,000 KRW. The basic charge will also be reduced by 1,500 KRW annually for the next 5 years.</td>
<td></td>
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</tr>
<tr>
<td>Rental factory</td>
<td>Rental fee (Excluding the VAT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rental factory</td>
<td>Rental fees, maintenance fees for 6 months</td>
<td></td>
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<tr>
<td>Rental factory</td>
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</table>

### Tax benefits from company transfers

<table>
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<th>Category</th>
<th>Current location</th>
<th>Benefit</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>National tax</td>
<td>Overpopulation of control area in the metropolitan area</td>
<td>100% of the corporate tax for 5 years, 50% for the next 2 years</td>
<td></td>
</tr>
<tr>
<td>Local tax</td>
<td>Overpopulation of control area in the metropolitan area</td>
<td>Exemption of the acquisition tax, 100% of the property tax for 5 years, 50% for the next 2 years</td>
<td></td>
</tr>
</tbody>
</table>

**Space**

- 24F: Foundation, Rental offices
- 25F: Conference room/information center, Cafe/restaurant
- 1F: Technical support room, Theme hall
- 2F: Medical devices exhibition hall: 4,875m²

**Rentals**

<table>
<thead>
<tr>
<th>Category</th>
<th>Rental fee (Excluding the VAT)</th>
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<tbody>
<tr>
<td>Rental factory</td>
<td>19,500KRW (3.3m²)</td>
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**Contact**

Support subsidiaries, etc
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Lead the medical devices industry of Korea to endless challenge and expansion around the world.