MAKE CLINICS SMARTER, MAKE LIFE BETTER

VATECH Networks Company Profile 2020



Contents

Who we are

We expand

We Innovate

How we do it

We work for





2002

2003 🗆 2004

Made the Dream

a reality

2005 🗆 2009

2010 🗆 2017

2018

Discovered the possibilities

Transitioned into

the dental X-ray

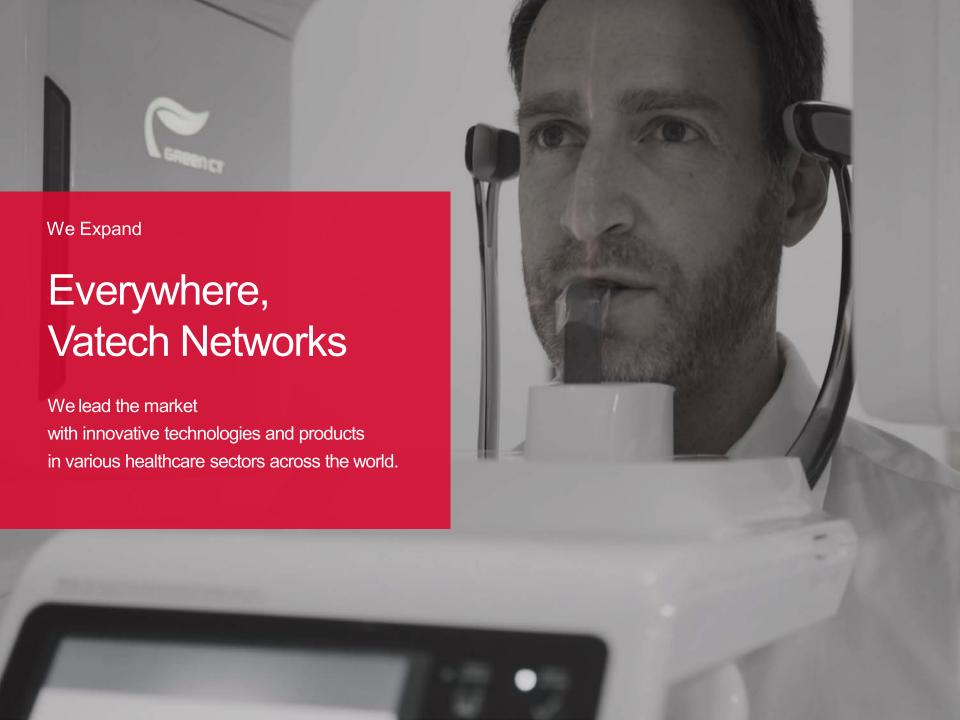
business

Launched Korea's 1st digital panoramic imaging system (PaX-300) Expanding Into Global Markets

Launched the world's first 3-in-1 digital X-ray system and created a paradigm shift Secured innovative products and outstanding \square uality

Gained competitive edges with low dose technologies, through vertical integration Global No.1 Leader

Beyond No.1 in dental imaging, we are also No.1 in parts, materials, SW and the veterinary medical field

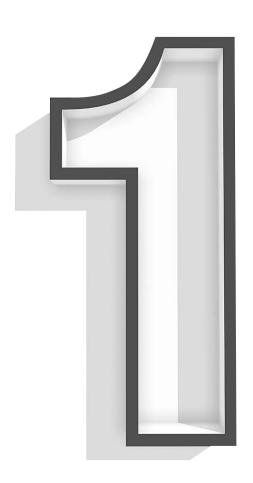


Successful businesses on every continent

with 22 subsidiaries worldwide

Global presence: Subsidiaries & Offices by continent (2019)





Dental Imaging

- No.1 Korean dental X-ray market share
- No.1 Global 3D dental diagnostic e □ uipment sales
- No.1 Global dental oral sensor market share
- No.1 Global patent applications for dental imaging in the last 5 years
- No.1 American 3D X-ray market share
- No.1 Global dental X-ray diagnostic software market share
- No.1 Southeast Asian dental X-ray market share
- No.1 Chinese 2D X-ray market share

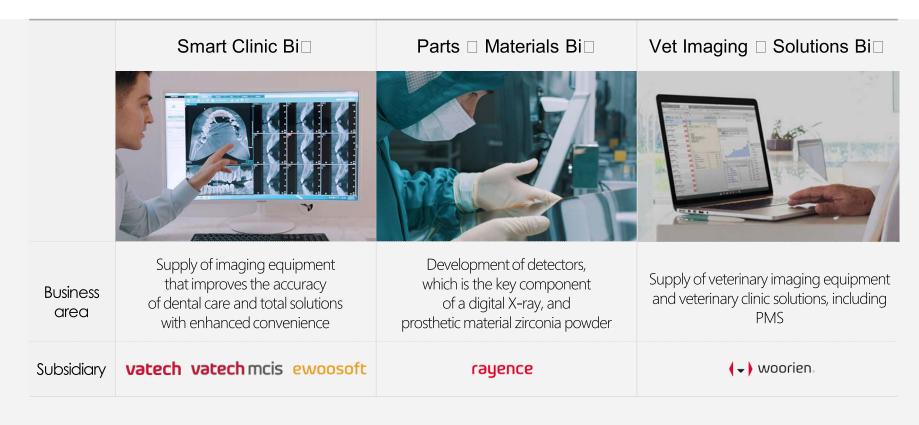
X-ray System

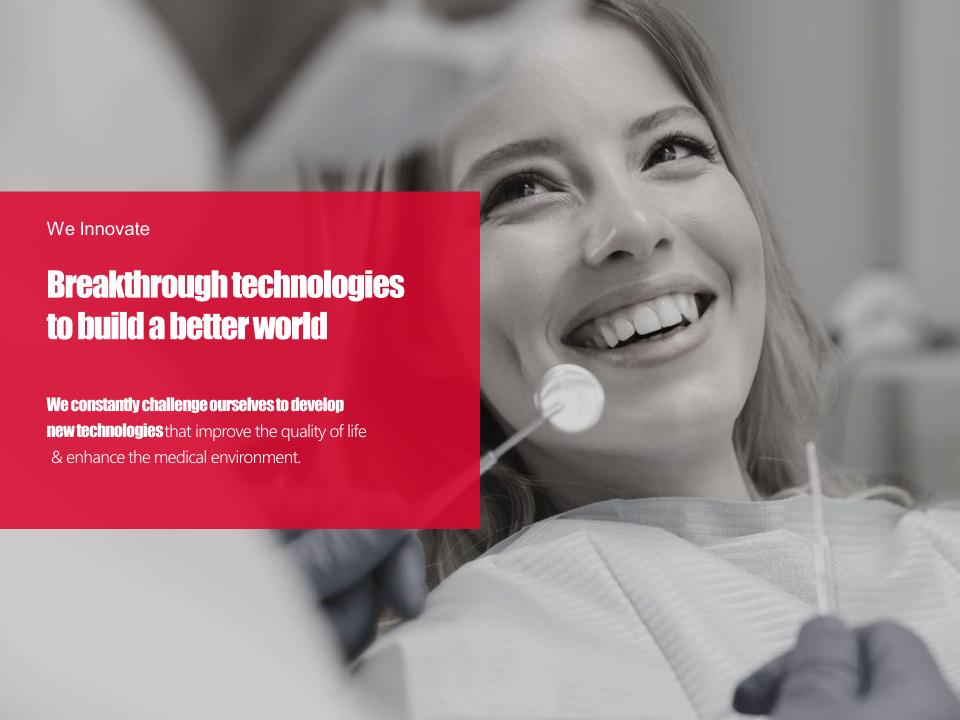
• No.1 X-ray detector sales among Korean companies

Veterinary

• No.1 Korean veterinary electronic medical chart market

Business expansion based on our core competencies for \Box happier and healthier lives \Box







The World's First History

 2005
 2013
 2014
 2015
 2016
 2017
 2019
 2019

 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1

Launched a 3-in-1 digital x-ray system (Panorama, Cephalo, CT)

Created
a paradigm shift
in the global dental
diagnostic market

Launched a low dose system that features a 4.9 second scanning time and 75□ reduced dosage

Created the 'Green' category in the global market Launched a system that can take 2D and 3D images at once

Enhanced convenience for staff and patients

Launched a flexible oral sensor

Can provide patient-oriented medical service by reducing pain during scanning Universali□ation of medical CNT

Enhanced convenience and accuracy of scanning with the use of an ultra-light portable x-ray Introduction of AI Application in dental diagnostic software

Al and telemedicine enabled advanced medical treatments for anyone in the world Application of IGZO technology to TFT detector

20 times faster speed and lower noise than a-SI TFT Launched an animal-only CT

Can diagnose soft tissue

Led the universalization of CT in animal hospitals

Faster and clearer images with lower radiation dose.

Green Technology created a new paradigm of

□ low-dose treatments □ in the global dental industry.



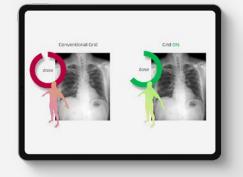
The Smart M speciali □es in pneumonia diagnosis and contributes toward creating a healthy world.



From low dose x-ray detectors to software,

we provide the best solutions so doctors can diagnose more accurately and patients can rest assured.

30%



Low-dose SW algorithm Grid ON



1717 Dynamic X-ray detector

Radiation reduction rate when using Grid ON function

Our innovation has further developed the medical environment by improving doctor's treatment plans and relieving patient pain.

3 KG
Weight of Weight of Ezray Air P

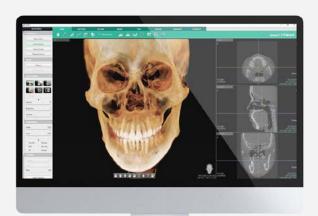
E □ Ray Air P: The world □s first medical CNT-based portable x-ray



Easier and more convenient diagnoses with AI (Artificial Intelligence).

Our innovation is making the medical environment smarter.





Medical imaging software E□3D-i with the AI solution





Based on expertise and efficiency, we believe the fastest way to \(\subseteq\text{customer satisfaction}\) is by thinking and visualizing from the customer' s perspective.



For the best x-ray image quality and service, we perform our own RD, production and manufacturing of core technologies and components.



R&D

The world's first 3-in-1 system source technologies for low dose image

Core technologies for scintillator deposition and TFT/CMOS detectors manufacturing

High resolution imaging process algorithm, 2D/3D diagnostic SW technologies

High-quality integrated manufacturing system optimized for precision medical devices

R&D is at the center of Vatech Networks' foundation of innovative leadership.

We change the medical environment by rapidly providing customers with technologies they want.

30%

R&D workforce (% of the total workforce)

25%

R&D Investment (% of 2019 Sales)

No. patent applications

For dental imaging equipment in the world

Awards

2015 Patent management prize 2018 The best employee invention compensation prize

Vatech R&D Networks



Optic Solution K-GIST



CAE SolutionKyung-hee Univ



X-ray Physics
Yonsei Univ. (VYSION)



Applied Physics
UNC Chapel hill



Sensor Design

Imaging

Yonsei Univ. (CARI)



X-ray Detector

Robotics

Busan Univ. (CAMER)

1

Clinical Research









Adopt the Smart Factory process to improve productivity and quality.



AGV System

20% increase in process productivity by building an automation system linking AGV (Automatic Guided Vehicle) with Vatech MES



Process Automation

3 times increase in productivity and 97% achievement of process yield with the introduction of the Vatech exclusive video inspection facility and efficient workforce distribution based on IT system



Carousel System

Optimization of logistics/workflow through the introduction of the automated parts inventory system



Quality first culture

24/7 real-time response using issue-tracking system and continuous communication for quality improvement



The more we share, the greater the happiness.

We practice sharing to create a happier society.

Medical expenses support

Present new life opportunities to neighbors in blind spots

Technology sharing

Contribute to creating a better world with our technologies





Volunteer activities

Build long-term relationships and trust with neighbors in the community

Sharing in our lives

Share what we have and make it a habit to be appreciate ourselves and our daily lives





Beyond sharing, we fulfill our CSV (Creating Shared Value) obligation.

As a Korean company running businesses in Vietnam, we are committed to enhancing friendly relations between Korea and Vietnam. By supporting the next generation of Vietnam, we take win-win approaches for all communities.

xīnzhào Đại Từ !— Vatech Networks' CSR project in Vietnam



Dream Seed

Support elementary, middle and high school education and living expenses through the 1-on-1 support program between local children and our employees

Supports for local communities

Provide technical education and cultural space needed for local communities



Establishing a foundation for a self-sustaining community

We believe that happy people can create a better world.

At work, we support our employees to relieve their daily life and family concerns, and help them fully focus on life and happiness.





Raising healthy children with my company

Vawoomi Program



Leave the hassle to my company, focus on myself and my family

A fitness center



Make my day lively with exercise and care that suits me

Cafeteria & Food culture



Reduce worries about eating and spend free time with myself



VATECH Networks is a Leading Global Healthcare Group,

consisting of 8 domestic companies/subsidiaries and 22 overseas subsidiaries. They are controlled by VATECH ewoo holdings and VATECH ewoo holdings provides centralized management and administration.







vatech

www.vatech.co.kr

Beyond being the No.1 global dental imaging provider, we are a small CT specialist.

Business Scope

Vatech provides total solutions that make clinics smarter. Vatech rapidly joined the dental imaging market with the integration of medical device R&D, manufacturing and sales. Vatech competed with leading medical device companies and has become the top global player within 15 years of business.

Vatech possesses a full lineup of dental radiography equipment that provides differentiated customer value. For the first time in the world, Vatech universalized dental CNT and applied AI in dental SW.

As a small CT specialist, Vatech has manufactured and exported more than 24,000 small dental CTs worldwide. In 2020, Vatech is causing a stir in the global infectious disease prevention and pneumonia diagnosis/treatment market, with the development of a low-dose, high-resolution CT that can be used for partial body diagnosis.





rayence

www.rayence.co.kr

The digital x-ray parts and materials specialist

Business Scope

Rayence specializes in digital x-ray imaging solution parts and materials.

For the first time in the world, Rayence has secured TFT, CMOS detector core technologies and established a full lineup of manufacturing. Rayence has supplied dental, medical and industrial detectors and I/O sensors (intra oral imaging sensors).

Rayence is the No.1 Korean detector company and has the largest market share in the global I/O sensor market.

In 2020, Rayence expanded its business to the dental materials and veterinary healthcare markets, based on its core competencies.

Through its subsidiary Woorien, Rayence has entered the veterinary medical imaging equipment market with high growth potential, and changed the paradigm of the global veterinary market. As the only Korean company that has successfully developed zirconia materials, we are developing various dental materials including a high-quality zirconia powder.



vatech mcis

www.vatechmcis.com

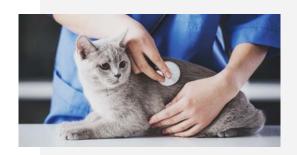
The dental integrated solution specialist

Business Scope

Vatech MCIS is the largest dental device distributor in the Korean market.

In 2019, Vatech MCIS celebrated the 10th anniversary of its founding and its name was changed from Vatech Korea to Vatech MCIS. Vatech MCIS expanded its business as a medical device distributor to also becoming a dental integrated solution provider. Vatech MCIS manufactures/distributes solutions required for an entire workflow, including materials for prosthetics, SW, and HW.

Providing integrated solutions that facilitate dental care and clinic management is the differentiated strength of Vatech MCIS . With the No. 1 know-how in the domestic dental distribution market, we are expanding the business by pioneering new overseas markets.





www.woorien.com

The animal imaging equipment / solution specialist

Business Scope

Woorien specializes in animal imaging equipment and integrated solutions.

Woorien is planning on providing all necessary solutions for animal hospitals, focusing on 'animal-only' and 'veterinary care environment improvement'.

Woorien is targeting the global veterinary market with the world's first dental panorama and CT for animals.

Woorien continues to expand the business solution optimized for animal hospitals, such as veterinary imaging medical devices, veterinary medical information systems, and animal mobile apps.



vatech eng

www.vatecheng.com

The comprehensive manufacturing specialist

Business Scope

Vatech Eng is a Korean top-tier comprehensive manufacturing and service company.

Equipped with precision assembly lines for manufacturing finished products, Vatech Eng provides one-stop total engineering services that include sheet metal, processing, painting, injection, and assembly.

Vatech Eng provides high-quality painting services with its state-of-the-art facilities and has export companies/large companies as customers.

Annually, it has production capabilities of more than 7,000 medical diagnostic devices, semiconductor facilities, and industrial devices, as well as technical personnel and state-of-the-art equipment.



ewoosoft

www.ewoosoft.com

The dental diagnostic software specialist

Business Scope

Ewoosoft is a specialist in dental diagnostic software & solutions.

Ewoosoft is a company that researches and develops solutions that improve the accuracy of dental care. in accordance with advanced development processes.

For the first time in the world, Ewoosoft applied AI in dental SW and obtained the first KFDA approval for it in 2019. In 2020, Ewoosoft also obtained FDA approval for the AI technology and has become a world-class technology company in the field of dental diagnosis.

Its flagship products are EzOrtho (orthodontics), EzDent-i (2D diagnostics), and Ez3D-i (3D diagnostics). During development, Ewoosoft considers user convenience and aims for SW that is easy to learn and use.



vatech s&c

Service & Culture

Business Scope

Vatech S&C is a catering business that provides food services for corporate businesses, and specializes in premium postpartum cuisine.

以食爲天

With the motto of food being fundamental and cherishing it the most, Vatech S&C aims to improve the quality of life through a food culture that goes beyond just providing a meal.

Vatech S&C uses high-quality ingredients grown on our own farms and provides differentiated food culture services, such as scientific recipes developed with the utmost care.