



2020

# Digital Healthcare Road Show

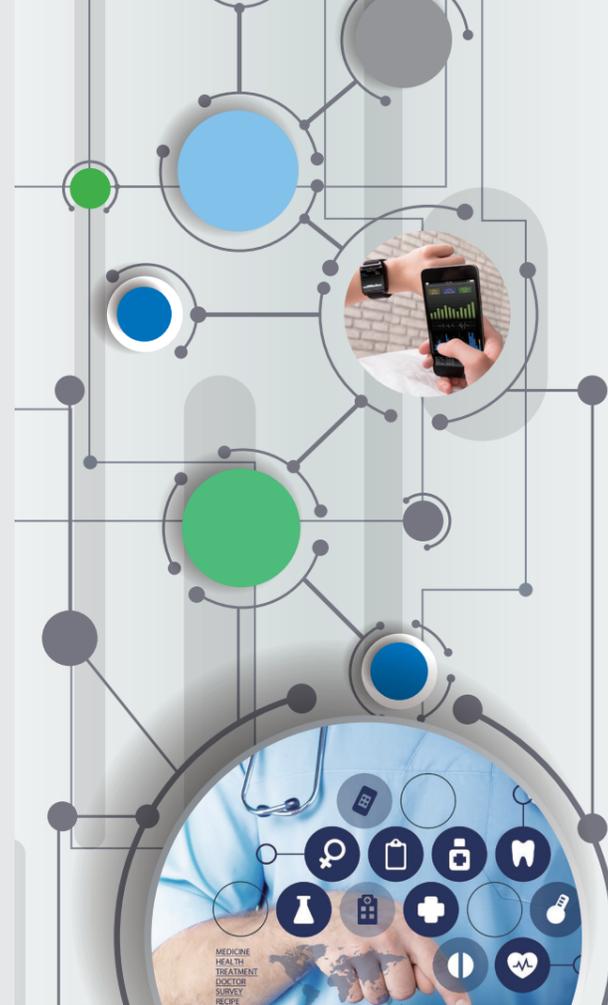
September 14(Mon)-25(Fri), 2020





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## Participating institution

TECHHEIM. Co., Ltd.  
LILLYCOVER Co., Ltd.  
1drop inc.  
Braintech Co., Ltd.  
CARIMA  
ezCaretech  
Nuvi lab  
NEOZENSOFT.



# TECHHEIM. Co., Ltd.

TEC.h.HEIM

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Since its foundation in 2000, TECHHEIM CO., LTD. has been a professional firm which develops and provides total solution of PACS with best quality and service and supplied more than 2,500 medical institutions in Korea and overseas (Japan & Vietnam).

We have three categoris of

- 1) On-premises & Cloud PACS (Picture Archiving and Communication System)
- 2) Teleradiology System
- 3) AI & BigData

## ● NubeX

### ■ Intro

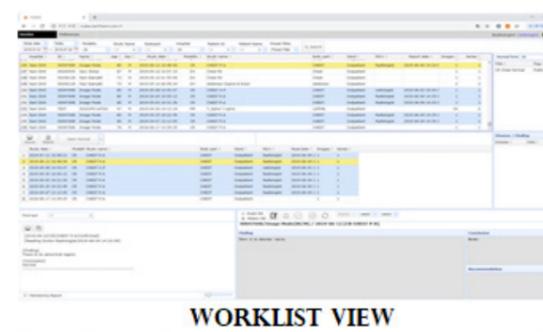
'NubeX' is Cloud based PACS(Picture Archiving and Communication System) solution

### ■ Feature

- 1) 100% HTML5 based Universal Web Viewer
- 2) Support Multiple monitor (Max 4)
- 3) Support 3D Volume Rendering, MPR, Cursor
- 4) Support AI pre-Screening Service (option)
- 5) Support Emergency server Event synchronization
- 6) Support OCS connectivity

•'NubeX' enables doctors to access reports and images Anywhere, Any Devices with Any Browser without Any Installation. NubeX also can be installed at hospital system as "On-Premise" type for inter hospital purpose (Like Web PACS).

•'NubeX' could enable Tele-radiology service as Tele-radiology system support



# LILLYCOVER CO., LTD.



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Lillycover Co., Ltd. is a beauty tech startup that develops and provides services that enable people to maintain healthy skin by providing accurate skin diagnosis and personal skin care solutions. We are expanding into 1:1 skin care coaching service by providing skin care, weather information, beauty information, and customized cosmetics recommendation service through skin diagnosis and mobile application linkage through portable devices.

## ● Muilli

### ■ Product description

Muilli is a portable, hand-held device. It analyzes pores, redness, and wrinkles through a 60x magnification camera and an oil-moisture sensor. We provide skin care solution contents such as beauty tips and massage methods and a service that recommends customized cosmetics for each skin type. In addition, it is a total care home care product that allows individuals to check and manage their skin anytime, anywhere by incorporating plasma massage technology, which is effective in skin regeneration, sterilization, and wrinkle improvement.



### ■ Technology

- When skin is diagnosed, it is possible to shoot under the same conditions in any environment and develop a camera close-up function that can detect an accurate image.
- Development of optimized algorithm technology that can improve the accuracy of diagnosis by measuring the user's skin condition based on 110,000 database related redness, wrinkles, acne, spots, and pore-related troubles. (Accurate 98.5% accuracy through DB information deep learning, patent registration completed)
- Developed 40 new skin type analysis methods through collaboration with dermatologists and precise analysis of skin factors.
- Development of plasma massage module which has effect on skin regeneration and sterilization (stability and effectiveness non-clinical and clinical completed, patent registration completed)

### ■ Sales history

- Sales through Naver Smart Store, Lillycover own shopping mall, open market, and Lotte Mart Mall
- Product sample sales and export contract negotiations through Japan, Thailand, Vietnam, and China
- Collaboration with LG CNS, Amorepacific, and Kolmar

# 1drop inc.



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1drop Inc, is a spin-off company of Samsung Electronics that aims to develop a technology to prevent diseases with a drop of body fluid and secures technology and manpower in all areas of medical device development and manufacturing, from technology development to licensing and mass production, in order to become a global mobile healthcare leader.

## ● 1drop™ Glu, Hemo, TC, UA(Mobile IVD System)

The 1drop™ mobile IVD system is a simple blood test with a smartphone, consisting of a smartphone back cover, App., and a disposable biosensor. Biomarker can be measured using a smartphone camera, flash, and disposable bio-sensor. Currently, 4 types of sensors that can measure hemoglobin, uric acid, blood sugar, and cholesterol have been commercialized and will be expanded to 23 types in the future.

Our product features a single membrane technology, it can be measured quickly, easily and highly accurately with a small amount of blood.

Also, it can measure multiple items with a single smartphone, reducing the cost of purchasing devices and allowing the addition of measurement items to be easily expanded by app updates.



# Braintech Co., Ltd.



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Braintech is a company that mainly manufactures medical bidet products and is an OEM product. Through the development of our own brand model, we have completed the development of the current personal urine chemistry analyzer, obtained CE approval, and are preparing all-round for the development of an export market.

## ● Personal Urine Analyzer

It is a personal urine chemistry analyzer that enables daily check and management of individual health conditions using urine strips.

It is a product that focuses on personal hygiene by adopting a waterproof function of IP68 level for personal hygiene management, allowing it to be washed in flowing water after inspection.

Information on health is provided in four stages of 'normal-attention-notice-danger' so that anyone can easily understand the disease name information on the test items.

It analyzes and shows inspection and data through a mobile phone app, and provides services such as data storage and printing so that individuals can manage the management of previously inspected data.



# CARIMA



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Carima Co., Ltd. is the Korea's first DLP 3D printer manufacturer, having built up global distribution network over 15 countries including USA, Japan and Russia for 20 years. With the devotion onto R&D activities, Carima acquires 65 patents related to the AM(Additive Manufacturing) technology, and in the result of this, "Wahlers report" nominated Carima as the 3D printing technology leader in South Korea from year 2014 to year 2020. And no other Korean company have this record except Carima.

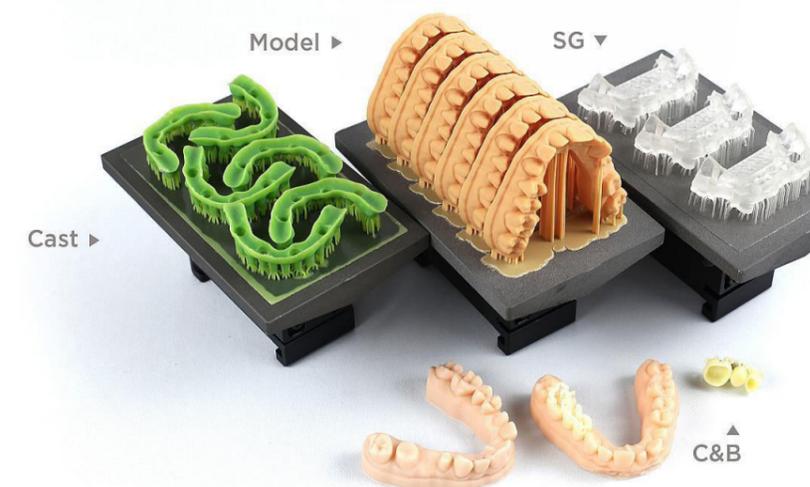
One Korean dental implant manufacturer had been provided order-made dental 3D printer from Carima, and they sell 300 units for 2 years in domestic dental market.

With this experience, Carima plan to build up distribution network in the field of global dental business, who can cooperate to lead digital dentistry.

## ● IMD

IMD is Carima's dental 3D printer specially engineered for the purpose of enabling efficient digital dentistry workflow. Fast, Accurate and reliable Reproducibility are the key points of successful dental 3D printer users-dental offices and dental laboratories, enjoying benefits of cost-saving as well as enhance treatment/fabrication capacity.

IMD, mounting 'open platform' tech support, can give users various selections for the state-of-the-art dental 3D printing materials, such as final crown, inlay, onlay, surgical guide for dental implant and clear orthodontic aligner etc.



# ezCaretech



## Contact

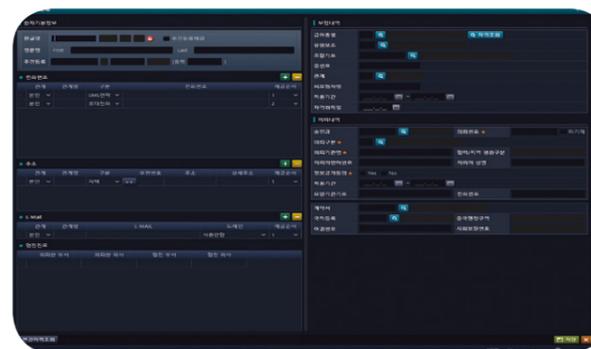
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ezCaretech was established in 2001 as part of a government initiative to improve patient care delivery and has set out to be at the forefront of medical innovation. Now, ezCaretech has become a proven expert in medical IT services for many medium-to-large sized hospitals. Our company has demonstrated its technical prowess after being awarded "Excellent Korean Technology (KT Mark)" and IR52 Jang Young Shil Award" first in Korea. This has helped us secure our position among the best equipped to help you to become among the cutting edge of digital hospitals.

ezCaretech is making efforts to pioneer a new area of hospital information and health networking. As your business partner, we aim to maximize your capabilities and strengthen of your competitiveness through customized service and aboveboard business management

## ● BESTCare 2.0

With ezCaretech's core All-in-one hospital information system, the BESTCare2.0, an efficiency and usability-focused solution, your hospital can be transformed into the most advanced digital hospital. The BESTCare2.0 grapples with complexity, efficiency and risk of human error in patient care. The BESTCare2.0 is a strong foundation for clients looking to meaningful use. While receiving overseas export inquiries all around the world, the BESTCare2.0 has been successfully exported to KSA and UAE. Along with other profounding solutions to include BEST Board, Mobile EMR, e-Consent, HIE, CLMA, CDW(BI+CI), the BESTCare2.0 is driving forward its global expansion



# Nuvi lab



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Nubi Labs uses an artificial intelligence scanner to scan before and after meals to analyze individual eating habits such as nutritional intake balance, eating speed, and preferred food. Based on the data, we provide personalized healthcare services that are objective and reliable.

Nubi Labs has achieved excellent results based on its leading technology in the field of artificial intelligence.

## 2020

- AI Grand Challenge (Korea's largest AI competition) Top 5 institutions selected
- AMAZONE / UN Partnering
- Participate in CES as a representative company of Seoul

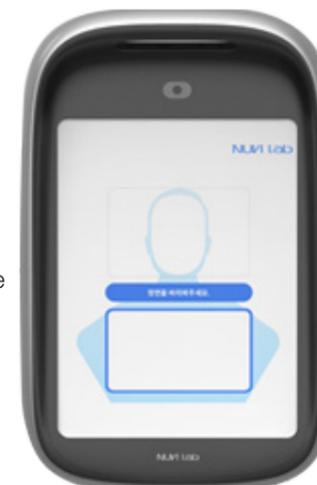
## 2019

- AI Seed Camp Award, Director of National Defense Computerized Intelligence Award, and Ministry of National Defense 3 Innovation Tasks

## AI Scanner

### Product Overview

- Using AI, quickly identify and analyze the type and weight of food on a plate
- Customized healthcare by combining user-consciousness and data information through facial/tag recognition Delivering Services on App
- Product configuration: Touchpad, display, face-in-face cooking camera, AI food scanner
- Product Design: Modern and simple appearance suitable for home use
- Product specification: 350x400x200 (mm) (expected)



### Effect

- Derived beads can be connected to digital fitness equipment
- Data utilization increases as the telemedicine market expands
- Enable scientific and systematic health care through nutrition monitoring (biased, obese, allergic)
- Improving national health through health care for middle-aged and elderly people

### Technical ability

- Objective meals for individual users by measuring food types and quantities using artificial intelligenc
- Capable of producing drinking, nutrient data
- Improve user confidence by presenting a healthcare guide based on personalized data
- Convenient use and installation by contactless scanning
- Efficient use of space and convenient use method

### Performance and status

- 2018**
- November Corporate Establishment
  - Winner of the Grand Prize at the Environmental Startup Competition in December
- 2019**
- The Ministry of National Defense will launch a pilot project in March 2019 <Selecting Three Innovation Tasks>
  - Selecting a company to support start-ups by the Korea Institute of Environmental Industry and Technology in June
  - Seoul AI Startup Seed Camp Grand Prize in July
  - Seoul Innovation Challenge selected in July
  - July Army 9th Division Demonstration Project
  - September Gyeonggi Provincial Office of Education Demonstration Project
  - The Seoul City Hall test bed project will be launched in November.
- 2020**
- January 2020 CES 2020 Seoul Metropolitan Government Participates
  - Selected as K-Challenge Lab in March
  - In June, Environment & SMEs Minister will participate in a demonstration event.
  - Starting a pilot project for CJ Freshway headquarters in July
  - July launch of joint Amazon & UN project
  - August 2020 First AI Grand Challenge Award

# NEOZENSOFT



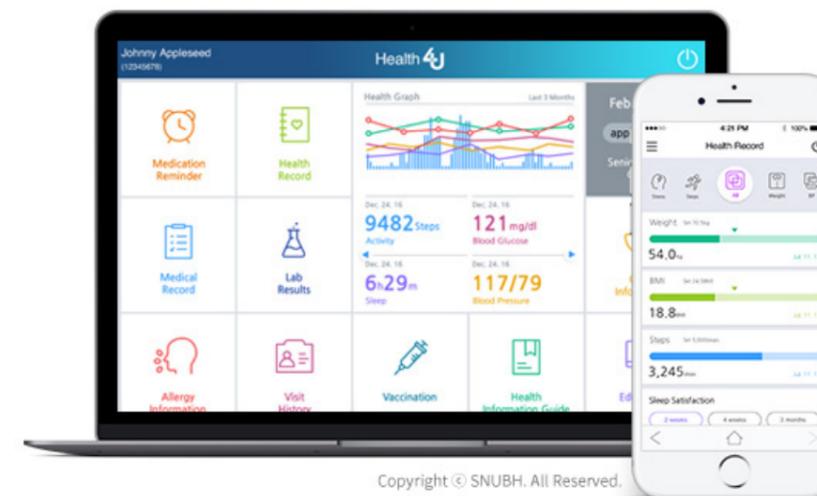
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Neozensoft is a smart healthcare platform company that leads the Healthcare IT market and provides state-of-the-art Healthcare IT solutions. Neozensoft has been provided patient safety management solutions and Rapid Response System (RRS) to 68% of tertiary hospitals in South Korea. Moreover, Neozensoft's many healthcare solutions have been adopted in global markets such as the United States, Saudi Arabia, and Dubai.

## ● PHR(Health4U)

PHR(Health4U) solution, a personal healthcare platform that views and manages all healthcare data, from personal health records to medical information, via mobile and PC. Patient's medical data such as treatment history and test results can be viewed in real-time through the mobile application and medical records can be downloaded through the download (Blue Button) function. If the patients measure vital signs such as body temperature, pulse, blood pressure, respiratory rate, and oxygen saturation, it directly goes into the mobile application. Plus, wearable devices such as Apple Watch or Galaxy Watch can be integrated. At last, the medical staff can remotely check and monitor the patient so it was used at the community treatment center in gyeonggi-do to monitor coronavirus patient with minor symptoms.



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