16-19 JUNE
PARIS AND ONLINE

VIVA TECHNOLOGY

INTRODUCING
Korean Mobility Startups

kotra
Korea Trade-Investment
Promotion Agency

KiC EUROPE
Korea Innovation Center

Nota Inc.

https://nota.ai/en/index.php
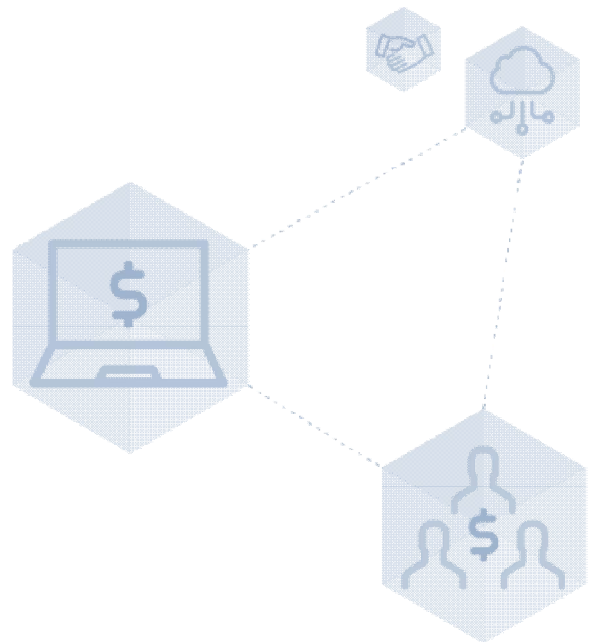
Production/Solution
On-device AI, ITS Solution

Established Year :
2015

Employee Number :
53

Europe market experience :
Yes

About Us (Team)
Myungsu Chae (CEO)
Eddie Yang (CBO)
Taeho Kim (CTO)
Steven Kim (CSO)

Contact Info.
Haejin Lee
(Global business manager)
haejin.lee@nota.ai

Nota made an innovative move on the development of deep learning model compression technology. NetsPresso, our automatic model compression platform, can make AI smaller, faster, and energy- efficient, eventually allowing it to run independently on small edge devices

Product Description

1. NetsPresso: model compression platform
NetsPresso is an automated AI model compression platform solution designed for deploying lightweight DL models on different platforms and architectures from cloud applications to edge devices. It delivers cost-Effective vision-based AI solutions for facial recognition and ITS.

2. Facial recognition solution
Nota's facial recognition solution for the mobility industry protects drivers from severe accidents through driver monitoring and customizing the settings.
• Driver Authentication: Authorization for driving or Automatic adjustment (seat, mirror angle, steering wheel position, etc.)
Drowsiness / distraction detection gives an automatic alarm to drivers (Indicators: eyelid, gaze, head position/rotation, yawning)

3. ITS: Intelligent Traffic monitoring system
we provide intelligent traffic monitoring system that understands traffic situation at intersections with a cheap low-end hardware. Through the analysis of the traffic data, our solution can give informative support((emergency) vehicle detection, Emergency vehicle detection, Pedestrian Detection) to improve the circulation of traffic loads.

KOREA PAVILION

bitsensing

Production/Solution
Rader technology

Established Year :
2018

Employee Number :
55

About Us (Team)
Jae-eun Lee (CEO),
Joonsoo Ryu (COO & CFO)
Haeseung Lim (CTO)

Contact Info.
Joonsoo Ryu (COO & CFO)
joonsoo@bitsensing.com

KOREA PAVILION

bitsensing Inc.

https://bitsensing.com/

bitsensing is an imaging radar technology company committed to building safer smart cities and elevating connected living. By designing cutting-edge sensor fusions and AI solutions, we are bringing an unprecedented level of intelligence to smart living.

Product Description

AIR Traffic: 24GHz ITS IoT Radar (CES2020 Awardee)

mini radar series: 60GHz high resolution radar for various industries, including: 1) wellness, 2) in-cabin, and 3) robotics

Aftermarket ADAS radar: 77GHz automotive radar for

ADAS AIR 4D: 79GHz imaging radar for autonomous driving

Company Highlights

2018: Seed round investment / Selected for TIPS (Tech Incubator Program for Startup)

2019: ISO and KC certified / Bridge round investment / CES2020 Smart City Innovation Awardee / Awards (Ministry of Land, Infra and Transportation, Ministry of Science)

2020: Selected for cooperation programs with leading firms (Hyundai Motor ZeroOne, SK Telecom True Innovation, Samsung Electronics C-Lab outside) / Pre-A round investment

CE certification: 24GHz AIR Traffic (completed), 60GHz mini series (in progress) - Area of interest: Investors relations, Distribution partnership, POC opportunities

BIGS Spring Tree

http://eng.bigsspringtree.com

Production/Solution
VR,AR-based Online
Maintenance Platform

Established Year :
 2016

Employee Number :
11

About Us (Team)
Jung Ho Seo (CEO)
Hyun Ook Kim(General
Manager)

Contact Info.
Hyun Ook Kim(General
Manager)
bigs_kho@bigsspringtree.c
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An engineering company which provides maintenance support simulation solution platform with VR/AR technology. Most of team members are mechanics and engineers who have more than 10 years of career from shipbuilding and aviation fields.

Product Description
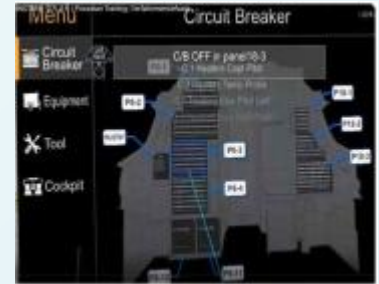
ROP(Repair Online Platform) is a maintenance platform with VR/AR simulation solution. It makes it possible to reduce education and training cost for the mechanics of manufacturing companies from aviation and shipbuilding fields where high risk and high technology is required. Not only because of the cost benefits but we also provide far better maintenance support system solution with AR/VR technology. This platform can be integrated to ERP which allows users get the systemic support to the entire operation process.

Company Highlights

2021

Export Case – Hungarian Geology Institute 'GEOCHEM'

2020

Germany, Hungary MOU 2 cases, NDA 1 case

2018

ISO 9001 and Gartner Vender Briefing

Willing to cooperate in R&D project or technology cooperation

KOREA
PAVILION

Eccov Inc.

https://www.eccov.co.kr/

Production/Solution
Module Platform
Architecture for E-Bike and
E-Motorcycles

Established Year :
 2019

Employee Number :
7

About Us (Team)
Sundae Lim (CEO)

Contact Info.
Sundae Lim (CEO)
sundae@eccov.com

Eccov is a startup that started as Hyundai Motor Group's in-house venture and spun off in 2019. The main development item, EMPA (Eccov Modular Platform Architecture), is an item that encompasses the body structure of electric bicycles and electric motorcycles based on the automobile production process. Eccov has its own manufacturing process, which is rare in the startup sector.

Product Description

Three-wheel electric cargo bicycle equipped with a Mando chainless drive system designed based on a frame from the EMPA technology.

Company Highlights

2019

 - CES 2019 / Spun-off from Hyundai Motor Group

2020

- Prospective Design-Driven Company / Global Premium Living Goods by KIDP*

* Korea Institute of Design Promotion

- IFA 2020 Startup

- COMEUP 2020 by Ministry of SMEs and Startups

- 2020 Design Driven Innovation 50 by KIDP

2021

- KIBO(Korea Technology Finance Corporation) Pre-Series A investment

- Preparing to obtain CE Mark

KOREA
PAVILION

yellowknife

yellowknife Inc.
https://yellowknife.io/?lang=en

Production/Solution
UIUX service for intelligent mobility experience

Established Year :
2010

Employee Number :
10

About Us (Team)
Hansung Lee (CEO)
Youngjin Jang (CMO/CDO)
Gyunghwan Bae (R&D Director)

Contact Info.
Youngjin Jang (CMO/CDO)
yjjang@yellowknife.io

yellowknife is a Korean startup which is producing UIUX services for mobility: Veloga Cycle and Veloga Auto. We are a spin-off company from Hyundai Motor Group, this team started since 2018 and founded as company on 2020

Product Description

Veloga Auto changes the driving screen as drivers want, in functional and emotional. As the in-vehicle space is change into movable life space, the displays in cars will be more important than the past. Veloga Cycle offers rider screens on riders' phones, so they can enjoy their riding with new experience.

Company Highlights

2018.04 Team selected as a pre-startup of Hyundai Motor Group

2020.01 Exhibition on CES 2020 as "AURORA Platform"

2020.01 Honoree on CES 2020 Innovation Awards (with Motrex)

2020.07 Certified as T-5, from KIBO

2020.09 Launched Veloga Cycle service (Android)

2021.01 Exhibition on CES 2021 as "Veloga Auto / Veloga Cycle"

2021.01 Founded R&D Center

2021.03 Agreed on MOU with MeekyungTech

KOREA PAVILION

StradVision Inc.
https://stradvision.com/

Production/Solution
AI-based vision processing for Advanced Driver Assistance Systems(ADAS)

Established Year :
2014

Employee Number :
176

Europe market experience :
YES

About Us (Team)
Junhwan Kim (CEO)
Hyungtae Kim (CFO)
Sunny Lee (COO)

Contact Info.
Sunny Lee (COO)
sunny.lee@stradvision.com

Founded in 2014, StradVision is an automotive industry pioneer in AI-based vision processing technology for Advanced Driver Assistance Systems (ADAS). The company is accelerating the advent of fully autonomous vehicles by making ADAS features available at a fraction of the market cost compared with competitors. StradVision's software is being deployed in 8.8 million vehicles worldwide and is serviced by their over 170 employees in Seoul, San Jose, Tokyo, and Munich.

Product Description

StradVision's SVNet is a hardware-optimized software for ADAS that allows vehicles to detect and identify objects accurately, such as other vehicles, lanes, pedestrians, animals, free space, traffic signs, and lights, even in harsh weather conditions or poor lighting. To achieve surround vision, SVNet's camera and deep learning-based capabilities work seamlessly with other sensors such as LiDAR and RADAR to process collected road data with high speed and accuracy. The software also enables ADAS features such as Adaptive Cruise Control, Lane Keeping Assist, Forward Collision Warning, Automatic Parking Assist to be more precise and reliable than other solutions on the marke

Company Highlights

2017. Attract outside Seed – Hyundai Motor, etc.
2017. Pre-A round – LG Electronics, etc.
2018. Start Top Tier1 project
2018. Attract Series A: Hyundai Motor, Hyundai Mobis, Global Brain, Hanhwa Investment, etc.
2019. Attract Series B
2019. 2020 AVT ACES Award winner- Autonomy software
2020. Established German office, Invited Startup Autobahn Selection Day by Daimler Group
2020. Selected Top Transportation Solution Provider 2020
2020. ISO 9001 certified
2020. NVIDIA Inception Premier Partner / Renesas R-Car Proactive Partner
2020. Appointed new Head of Sales in Japan, AutoSens Brussel
    - Product of the Year shortlisted
2020. Selected the best new industry company and won Minister's Award
    by Korean Ministry of SMEs and Startups

KOREA PAVILION

Geo-Line

http://geo-line.com/en/home_en-2/

Production/Solution
PLUG & PAY Electric Vehicle Mobile Charging-Payment Service

Established Year :
2014

Employee Number :
5

Europe market experience :
YES

About Us (Team)
Sunggyoo Geo (CEO)
Hyeoksoo LEE (CSO)

Contact Info.
Sunggyoo Geo (CEO)
sunggyoo.geo@geo-line.com

Geo-Line invented `PLUG & PAY Electric Vehicle Mobile Charging-Payment Service` based on the mission of sharing electricity for the sustainable earth, resolving conflict of residents due to parking problem and unauthorized use of electricity. Customers can use it conveniently without specifying parking area for electric vehicle.

Product Description

Itimate EV charging innovator

-98% off @Installation Cost

- 100% off @Running Cost

- Automatic Payment in AC charging

Company Highlights

CE marking in progress
(estimated within 4th quater 2021)

Hyundai Motors Fund, KOSMES CB

The only invitee to COP21 @PARIS among EV charging industry(and 7 more around world)

Charging system supplying to Utilities

Conception. Co., Ltd.

http://www.conception.co.kr/

Production/Solution
3D Printing Technology for
Lightweight Battery Pack

Established Year :
 2017

Employee Number :
12

About Us (Team)
Jung Goo Sang (CEO)

Contact Info.
 Oh, Ju-Ae
(Senior Researcher)
 jaoh@conception.co.kr

KOREA
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Leading company
in the 4th Industrial Revolution in 3D Printing

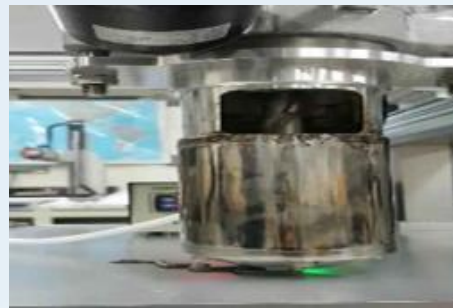## Product Description

<Binder Jet 3DP>

<Metal 3DP>

<Architectural 3DP>

<UV Resin 3DP>

Company Highlights

2017

Establishment of a corporate research institute

ISO TC 261 3D Printing International Standards.

2019

Minister of SMEs and Startups Awarded

ISO9001 certification

Award for Director of KIAT

2020

Awarded a citation from the Korean Intellectual Property

IP Management certification

Inno-Biz certification

2021

Outstanding Technology Company(T-3) certification

Korea Institute of Science and Technology

https://eng.kist.re.kr/kist_eng/

Production/Solution
Future Clean Fuels(H2 Hybrid) Energy Station

Established Year :
1966

Employee Number :
1565

About Us (Team)
Seok Jin, Yoon (CEO)
Ku In, Kang (CFO)
Hwan, Lim (Managing Director)

Contact Info.
Moon, Dong-ju
(Principal Researcher)
djmoon@kist.re.kr

Since its establishment in 1966 as Korea's first government funded R&D institute, KIST has played a key role in providing a solid foundation for S&T-based national development strategies and supplying advanced technologies to Korean industries.

Product Description

Future Clean Fuels-H2 Hybrid Energy Station is based on LNG, clean fuels(GTL)* and Hydrogen. Hydrogen can be also produced by water electrolysis using surplus electricity for carbon neutralization. * Clean fuels can be produced from natural gas, biogas, associated gas and CO_2 neutralization.

Company Highlights

KIST Promotion Technology

1. GTL-EPSO Process
: Commercialization after Demonstration(1bdp)
  at Vietnam offshore

2. Small-Scale GLT Technology Process with Carbon Neutralization

3. LNG-Hydrogen Station
: Compact Reformer & Hydrogen Station

4. e-Clean Fuels-H_2 station

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