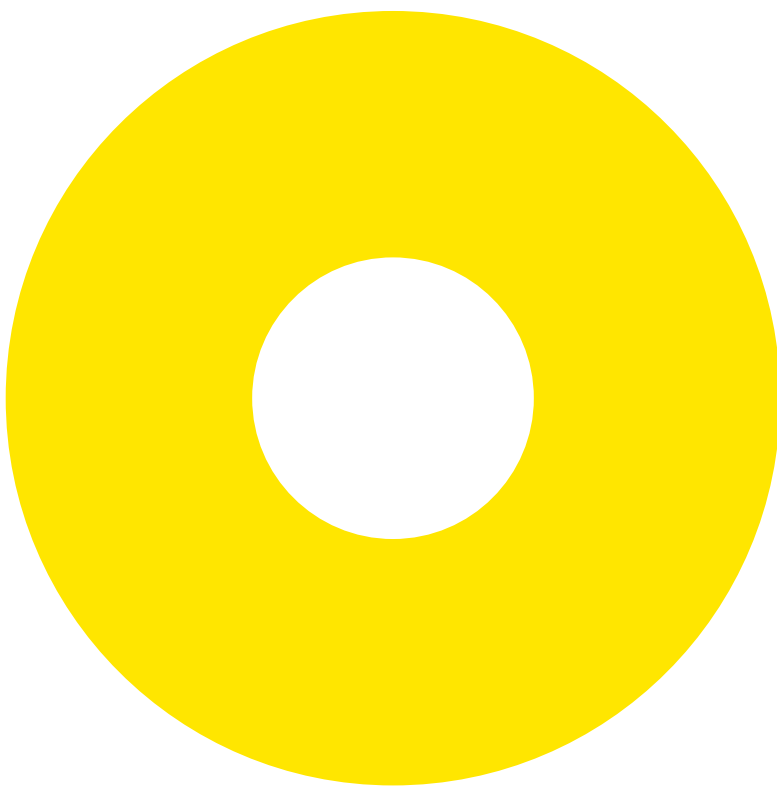# CONNECT PEOPLE BEYOND BORDERS
WITH NAVER

NAVER

NAVER,
A GLOBAL TECHNOLOGY COMPANY

NAVER IS COMMITTED TO CREATING
A WORLD THAT CONNECTS THE PAST
AND THE PRESENT, THE PEOPLE, AND
THE NETWORKS.

HAVING OPENED NEW CHAPTER IN
KOREA'S ICT HISTORY WITH INNOVATIVE
SERVICES AND LEADING TECHNOLOGY,
NAVER IS NOW EVOLVING INTO A GLOB-
AL TECHNOLOGY COMPANY CHALLENG-
ING ON THE WORLD STAGE IN VARIOUS
AREAS.

CONTENTS
———

AT A GLANCE

FIND NEW POSSIBILITIES WITH NAVER

We take the lead of the future change on the global stage and challenge new growth opportunities, gearing up our technology development to generate new values and reinforce future competitiveness.

NAVER @CES 2019

POSSIBILITIES OF NEW CONNECTION AND DISCOVERIES THROUGH TECHNOLOGY, NAVER @CES 2019

In January 2019, NAVER made a debut at CES, the world's largest consumer electronics exhibition, in celebration of its 20th anniversary. Through CES 2019, new technologies and 13 new products were unveiled , including robots, autonomous driving, and artificial intelligence, that have incorporated the research results of NAVER LABS.

- Guide robot **Around G**, which allows smooth autonomous driving without a high price laser scanner
- 3D indoor precise mapping robot **M1**
- **Self-Updating Map**, a technology to automatically maintain the recency of maps using artificial intelligence and robots.
- **xDM Platform**, a solution that integrates location and traveling for autonomous machines.
- **AMBIDEX**, a robot arms capable of precise control with an innovative power delivery mechanism with a wire structure.
- **AIRCART**, an electronic cart using muscle strength enhancing robot technology
- **Hybrid HD Map**, an original HD map solution for autonomous driving on the road.
- **R1**, a mobile mapping system developed by NAVER LABS. *Innovation Award @CES2019*
- **AHEAD**, 3D AR HUD (head-up display) for vehicles *Innovation Award @CES2019*
- Infotainment platform for vehicles **AWAY**, In-vehicle Infotainment Platform, etc. *Innovation Award @CES2019*

Over 5,000 people gathered at NAVER's exhibition, where the world's first 5G Brainless Robot that separates the robot's high-performance computer out of the main body using 5G and AROUND G, a guide robot capable of smooth autonomous driving through deep reinforcement learning, were successfully demonstrated drawing a lot of attention. In addition, NAVER was awarded at the CES 2019 Innovation Awards for 4 submitted products in 3 areas, receiving recog- nition for innovation and excellence.

Last June 2017, NAVER LABS acquired Xerox Research Center, located in Grenoble, France, from Xerox Corporation of the United States, changed its name to NAVER LABS Europe, and is researching future technology including artificial intelligence. In addition, starting with the CES participation, NAVER plans to continue infinite challenges searching for the possibilities of new connections and discoveries with technologies through various partnerships with global players.


AROUND G

DATA CENTER GAK

NAVER CLOUD PLATFORM CELEBRATES ITS 2ND ANNIVERSARY, PREPARING FOR ANOTHER LEAP

NBP NAVER Business Platform is responsible for NAVER's global infrastructure, started the cloud business in earnest by opening the "NAVER Cloud Platform" in April 2017, based on technology and operation capacity proved by the stable operation of various internet services including NAVER, LINE, SNOW, and V LIVE in the cloud environment.

Two years after NAVER Cloud Platform took its first step, its revenue have already doubled compared to the previous year, among the global giants who already dominated the markets, by focusing on cloud markets in the public and financial fields. Currently, it is continuing to grow with 6,000 client companies secured.
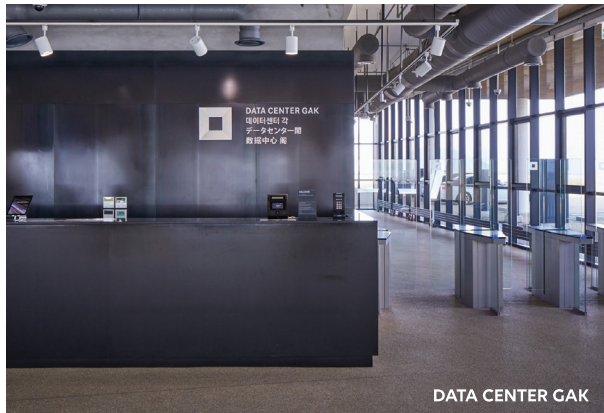
DATA CENTER GAK

In addition, NBP has established a global base in four major areas in Korea and ten major areas globally (Japan, US, Germany), including the eco-friendly data center 'Gak' and has been providing fast and reliable global service to users in various countries. Furthermore, NBP is pushing forward the establishment of a new cloud data center to enhance infrastructure competitiveness in the upcoming AI era.

DATA CENTER GAK

* Data Center 'Gak' represents NAVER's sense of duty to keep data, like the history of the digital era, safely and pass it on to the future generation, like Janggyeong Gak in Haeinsa Temple, which kept the Tripitaka Koreana also known as Palman Daejanggyeong.

AT A GLANCE

NAVER WEBTOON ESTABLISHES STUDIO N, AN IP BRIDGE COMPANY THAT LINKS WEBTOONS AND VIDEO

STUDIO𝓷

The largest webtoon platform NAVER Webtoon, holding around 55 million monthly active users throughout the US, Japan, Taiwan, Thailand, and Indonesia, in addition to Korea, established Studio N, an IP bridge company that links original webtoons and movie production, in August 2018.

Based on NAVER Webtoon's absolute mutual trust with the artists, which has been built while working together for decades, and ability to find trending works, Studio N will serve as a bridge that supports original webtoons having both quality and popularity to be successfully made into movies, drawing a virtuous circle of NAVER Webtoon as well as diversification of artists' income sources.

WEBTOON @COMICON

**ZEPETO IS ROCKETING :
RANKED NO.1 APP DOWN-
LOADS IN 35 COUNTRIES
JUST 2 MONTHS AFTER
ITS LAUNCH**

Zepeto, the avatar making app that started from a little idea of making an avatar that resembled me but a little cuter and prettier, achieved No.1 in the entire Apple App Store rankings in more than 35 countries including the US, China, Britain, and Japan at the end of 2018.

Zepeto, which recently celebrated its first anniversary of service, is still growing with over 100 million global accumulative users, and this has been possible only because it discovered new service points from the needs of the New Millennial generation and quickly reflected them.
Even at this moment, Zeppeto is continually adding new features not found in other services, such as comic photos with friends and photo booths for videos, in addition to Zepeto's wide range of character custom designs.

Likewise, NAVER continues pleasant challenges to offer new experiences through service following Zepeto.

ZEPETO CHARACTERS

AT A GLANCE

WE RESEARCH FOR TECHNOLOGIES THAT RAISE THE VALUE OF LIFE

From the time when NAVER was only known for its "green search window," NAVER actually endlessly wondered about future technologies and prepared for new leaps while experiencing trials and errors every now and again.

Its R&D investment on the scale of 1/4 of revenue is an indicator that best shows how much effort NAVER is making on technology research for better value of life.

As a result, NAVER's research result papers are chosen and released every year at the top level of overseas academic conferences in artificial intelligence, including NeurIPS, CVPR, EMNLP, and AAAI. These technologies are being utilized as core models and engines for NAVER and LINE services as well as the AI platform Clova. In addition, NAVER has released various technologies and products such as autonomous driving and robotics together with NAVER LABS and is combining AI technologies to improve services, starting from search.

NAVER's thoughts and investment for technology will not stop until the day when everyone can enjoy and experience the future technology.

Search & Clova Publications

2018~ (Selected)

- **DialogWAE: Multimodal Response Generation with Conditional Wasserstein Auto-Encoder.**
  ICLR 2019 / X. Gu, K. Cho, J.-W. Ha, S. Kim
- **Large-Scale Answerer in Questioner's Mind for Visual Dialog Question Generation.**
  ICLR 2019 / H.-S. Choi, J. Kim, J. Hur, A. Kim, J.-W. Ha, K. Lee
- **Modeling Uncertainty with Hedged Instance Embeddings.**
  ICLR 2019 / S. J. Oh, A. C. Gallagher, K. P. Murphy, F. Schroff, J. Pan, J. Roth
- **Character Region Awareness for Text Detection.**
  CVPR 2019 / Y. Baek, B. Lee, D. Han, S. Yun, H. Lee
- **Perfect Match: Improved Cross-modal Embeddings for Audio-Visual Sychronization.**
  ICASSP 2019 / S.-W. Chung, J.-S. Chung, H.-G. Kang
- **Paraphrase Diversification using Counterfactual Debiasing.**
  AAAI 2019 / S. Park, S. Hwang, F. Chen, J. Choo, J.-W. Ha, S. Kim, J. Yim
- **Knowledge Transfer via Distillation of Activation Boundaries Formed by Hidden Neurons.**
  AAAI 2019 / B. Heo, M. Lee, S. Yun, J. Choi
- **Knowledge Distillation with Adversarial Samples Supporting Decision Boundary.**
  AAAI 2019 / B. Heo, M. Lee, S. Yun, J. Choi
- **Adversarial Dropout for Recurrent Neural Networks.**
  AAAI 2019 / S. Park, J.-K. Park, S.-J. Shin, I.-C. Moon
- **Hierarchical Context enabled Recurrent Neural Network for Recommendation.**
  AAAI 2019 / K. Song, M. Ji, S. Park, I.-C. Moon
- **Answerer in Questioner's Mind: Information Theoretic Approach to Goal-Oriented Visual Dialog.**
  NeurIPS 2018 / S.-W. Lee, Y.-J. Heo, B.-T. Zhang
- **Phrase-Indexed Question Answering: A New Challenge for Scalable Document Comprehension.**
  EMNLP 2018 / M Seo, T Kwiatkowski, A.P. Parikh, A. Farhadi, H. Hajishirzi
- **Multimodal Dual Attention Memory for Video Story Question Answering.**
  ECCV 2018 / K.-M Kim, S. Choi, J.-H. Kim, B.-T. Zhang
- **VoxCeleb2: Deep Speaker Recognition**
  Interspeech 2018 / J. S. Chung, A. Nagrani, and A. Zisserman
- **StarGAN: Unified Generative Adversarial Networks for Multi-Domain Image-to-Image Translation.**
  CVPR 2018 / Y. Choi, M. Choi, M. Kim, J.-W. Ha, S. Kim, J. Choo
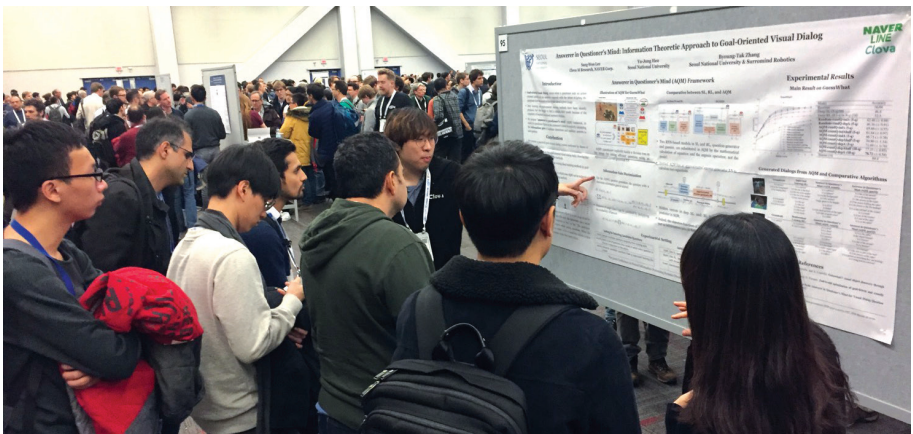
LINE WORKS ACHIEVED NO.1 IN THE MARKET IN 2 YEARS AFTER ENTERING JAPAN

LINE WORKS provided by Works Mobile is a business collaboration platform that integrates and provides collaboration service focusing on messenger, as well as e-mail , calendar, and others into one mobile app.

Works Mobile was established in 2015 with the aim of penetrating into the global market of business messengers. It has achieved the largest share in the Japanese business chat market after two years of launching our first service in Japan in January 2016, and we has secured over 30,000 global client companies after 3 years by achieving high marks for service reliability, technology, and security.

With this impressive growing trend, LINE WORKS will continue to advance and expand global performance further.

NAVER, SELECTED AS ONE OF FORBES' 100 INNOVATIVE GLOBAL COMPANIES FOR 5 CONSECUTIVE YEARS

In June 2018, NAVER was ranked 9th on Forbes' 100 Best Innovative Global Companies. This rank, created by Forbes, is selected based on the Innovation Premium Index, is the highest ranking among Korean companies.

This is significant index as NAVER is being recognized in Korea and overseas for its growth potential as a promising company to lead the global IT market while competing with global IT giants.

* Innovation Premium Index : Based on annual sales growth rate, annual investment, total revenue, and innovative technologies.

Forbes' top 10 of the World's Most Innovative Companies

Rank	Company	Country	Industry
1	ServiceNow	United States	Software &Programming
2	Workday	United States	Software &Programming
3	Salesforce.com	United States	Software &Programming
4	Tesla	United States	Auto & Truck Manufacturers
5	Amazon.com	United States	Internet & Catalog Retail
6	Netflix	United States	Internet & Catalog Retail
7	Incyte	United States	Biotechs
8	Hindustan Unilever	India	Household & Personal Products
9	NAVER	South Korea	Computer Services
10	Facebook	United States	Computer Services

www.forbes.com - 2018 RANKING

SERVICE OVERVIEW

NAVER Maps
'One app for all your navigation needs'

Navigate your way with NAVER Maps, regardless of whether you're walking or cycling, driving or taking public transportation. A good map service should change to reflect the changing geographies of space, and NAVER Maps aims to bring its users the most relevant and up-to-date info for navigating their spaces, through diverse mashups with other space- and location-based services.

NAVER Clova
**'The AI platform of the future'**

Clova is an AI platform that incorporates speech, image recognition, and artificial neural network translation into one interactive engine. Clova will be built into various NAVER and LINE products, NAVER's smart speaker WAVE, Friends, and other third-party devices and services.

Technology should be present in daily life, not just in a lab. It should belong to all, not just to some. It should create more opportunities for everyone.

With a firm belief in the true value of technology, NAVER is transforming from an Internet company to a technology platform.
We weave ground-breaking technology into daily life, creating friendly tools that anyone can use with ease.
NAVER's commitment and challenge to become a leading technology platform will redefine the new future for everyone.

TECH PLATFORM
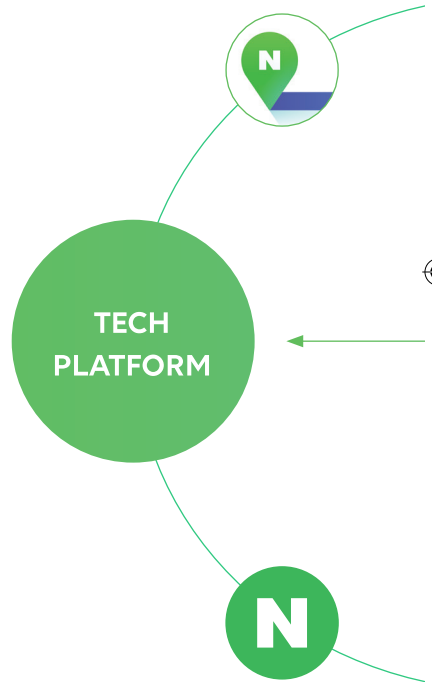
NAVER
'Search portal—ranked first in South Korea, ranked fifth in the world'

NAVER Mobile provides a content topic board that connects a series of personal areas of interest centered around in-depth and accurate search services. Additionally, it helps bridge the thoughts and interests of various users, numbering up to 30 million on a daily basis, as well as stimulating transformations, big and small, with the aim of creating a platform that delivers new opportunities.

WHALE
'A whole new experience'

Whale is a web browser that was launched by NAVER after five years of development, with the aim of providing "easy browsing for all." Based on a variety of high-tech features and attractive designs, it offers a new browsing experience, beyond traditional web surfing. In particular, the "omni-tasking" feature allows you to work from one window at a time without having to open multiple windows and has unique and convenient features such as Quick Search, Space, and Sidebar. We also have a wide range of extension apps and great design background themes available in our Whale store.

AudioClip
'Audio content platform'

AudioClip is a platform that allows you to enjoy various sound content anytime, anywhere. You can periodically subscribe to the content of various fields such as languages, lectures/talks, IT, economics, and science as well as popular content from various broadcasters. In August 2018, we have opened audiobook service that conveys long-loved literary works, recent bestsellers, and popular works with voice, providing a new experience of reading books by voice.

LINE WORKS
'An all-in-one business collaboration platform'

LINE WORKS helps workers communicate instantly in the field with mobile, increasing productivity. It pursues familiar usability and design where you can work with the business messenger without additional training. LINE WORKS surveys usability and analyzes customer inquiries so that workers can concentrate only on their work, not on tools, and goes through several tests to ensure stable operation in a global environment. In addition, we acquired the global security certifications of SOC 2, 3, and ISO 27000 series, which proves our excellence in security. This is why LINE WORKS has been chosen by more than 30,000 global customers.

NAVER

TECH & GLOBAL

To deliver new experiences and higher-value to global users, NAVER continues to develop future technologies for more various services and contents

Papago
'The smart multilingual parrot'

Papago is an automated interpretation application that is useful for traveling overseas and communicating in foreign languages. It was developed with NAVER's own technology, which integrates speech recognition, speech synthesis, machine translation, and character recognition. The underlying core NMT Neural Machine Translation technology has been uniquely applied to translate sentences as a whole instead of splitting them into phrases in order to provide more accurate and contextualized translation services.

SNOW
'AR camera that makes every day special'

SNOW, which can take pictures and videos with various effects based on face recognition technology, is innovating services in line with the trends of teens and users in their 20s. Snow has exceeded about 750 million downloads globally, with the proportion of overseas users reaching about 70%, and is continuing to grow as a global service.

V LIVE
'The lives of celebrities, live'

V LIVE provides video content with various topics such as web drama, beauty, fashion, genre music, as well as K-pop artists' live performances. 60 million app downloads have occurred in 224 countries (as of November 2018). We also provide a special experience for the stars and fans around the world by providing excellent video technology such as auto highlights, 360VR, multi-cam, video & audio filters, and real-time text support for live broadcasts.

LINE
'Global mobile platform'

Starting as a messenger app in 2011, LINE is a messenger platform that has grown fastest in the world. Now it plays a role as a hub to connect people, businesses, and services beyond messaging. LINE links a variety of apps such as AI, FinTech, easy payments, music, games, travel, and delivery services, crossing online and offline boundaries, to provide a convenient experience in daily life to more global users.

GOING GLOBAL

NAVER's platforms and content like LINE, NAVER Webtoon, V LIVE, and SNOW have become part of people's shared routines around the world.
People listen to our music and see our newly posted webtoons on their way to work every day. They see live broadcasts by their favorite stars and use our platform to post comments.

As our platforms become more powerful and content become more diverse, users and locations in which we operate are increasing every day.
NAVER will continue its commitment to bringing joy to people's lives around the world.

NAVER Webtoon
'New fun every day'

Since its launch in 2004, NAVER Webtoon has produced a number of best-selling authors, primarily through its unique competition-based system for promoting webtoons. Over the years, NAVER Webtoon has expanded its mobile comics platform overseas to the US, China, Taiwan, Thailand, and Indonesia, going by LINE Webtoon globally. LINE Webtoon had attracted a following of over 18 million monthly active users just two years after its initial launch. Buoyed by a loyal user base, NAVER Webtoon is also expanding its intellectual property business into publishing, movies, and games.

BAND
'Mobile Community Platform'

BAND is a group social network service (SNS) that supports various types of group activities. It is used for family, friends, and couple meetings, as well as schools, business meetings, and studies, and has been extended to theme communities such as hobbies, clubs, and media as the use methods of users are being increasingly diversified. Currently, more than 25 million groups are actively operating in more than 220 countries. BAND will evolve into a more extended mobile community service based on user's usage patterns and activity, continuing with not only domestic but also global challenges through various experimental services.

A SET OF GLOBAL CHALLENGES

LINE

LINE Corp.
Since 2000.09

- **CEO Idezawa Dakesi, JungHo Shin**
- **Tokyo, Fukuoka, Kyoto, Bundang**
- **LINE Plus, LINE FRIENDS,**
  LINE Biz Plus etc.

"Closing the Distance"

In three years since its first launch in June 2011, LINE has grown into a global service with more than 500 million users worldwide. It is currently providing services in 17 languages in about 230 countries. Going beyond the mobile messenger, LINE employees are running around the world, trying to achieve a friendly and convenient global smart portal in the everyday lives of users.

FAMILY SERVICES
LINE Play, LINE Manga, LINE News, LINE Pay,
LINE Taxi, LINE TV, LINE Baito, LINE Music

WEB TOON

NAVER WEBTOON Corp.
Since 2017.05

- **CEO Jun Koo Kim**
- **LA, Bangkok, Jakarta,**
  Taipei, Bundang
- **LICO, Studio N**

"We Work for Fun"

Servicing various digital content such as NAVER Webtoon/NAVER Web novel/series/series on, we support the creation and distribution of various content on PC and mobile. Service launches in new countries/languages will continue, while providing the webtoon service updated every day to users in various countries in six languages including English, Chinese, Korean, and Thai. In addition, we are becoming a global platform where diverse writers and readers from all over the world meet and have fun, providing a foundation for creating content with new fun and inspirations for both users and creators by combining content with new technologies such as AR and AI.

GLOBAL BRAND
LINE WEBTOON is a global brand of NAVER Webtoon launched in July 2014 and is expanding its base while discovering local content centered on Southeast Asia, including in the US.
LINE MANGA is Japan's largest digital comic service, which goes together with NAVER Webtoon.

FAMILY SERVICES
NAVER Web Novels, SERIES

WORKS MOBILE

Works Mobile Corp.
Since 2015.04

· **CEO Gyuheung Han**
· **Bundang, Tokyo**

"Working Closer"

Works Mobile aims to create a world where customers, businesses, partners, and people working in the community are connected, get closer, and grow together. Based on this vision, Works Mobile developed its business collaboration platform LINE WORKS and continues to challenge new markets. Not only NAVER and NAVER affiliates but also leading domestic and overseas customers are growing together, increasing work productivity with LINE WORKS. In particular, LINE WORKS has achieved first place recently in the business chatting market in Japan, receiving recognition for its value in the global market, and is making constant efforts to bring the people working in the wider world closer.

GLOBAL BRAND
LINE WORKS is a business collaboration platform that integrates collaboration services such as e-mail and calendars centered on messenger into one mobile app.

LA3S
NAVER LABS

NAVER LABS Corp.
Since 2017.01

· **CEO Sangok Seok**
· **Bundang, Europe**
  (Grenoble, France)

"Ambient Intelligence"

Starting as a technology research organization of NAVER in 2013, NAVER LABS researches Ambient Intelligence such as autonomous driving, robotics, and spatial information. NAVER LABS' vision is to understand the user's environment first and then research the technology that can provide the necessary information and services before users request them. The excellent researchers from Korea and Europe are researching together on the understanding of the spaces where we live and the intelligence of the movement that connects these spaces.

NAVER LABS EUROPE
NAVER acquired Xerox Research Center, a world-class AI research center located in Grenoble, France, in 2017 and changed its name to NAVER LABS Europe. NAVER LABS, a global future technology research base of NAVER, is recognized in world-class academic conferences and academic journals by collaborating with NAVER LABS Europe.

Introducing the NAVER's challengers, growing quickly and happily with the connection of various people and challenges to new markets.

SNOW

SNOW Corp.
Since 2016.08

• **CEO Chang Wook Kim**
• **Bundang**
• **Playlist, AMUSE, HEART IT, Spring Camp**

"Enjoy Challenge and Move Fast"

Launched in September 2015, Snow started as a guerrilla project of Camp Mobile, NAVER's subsidiary at the time. According to its service concept of sharing daily life in a more fun and lively way, we create the most fun and convenient ways of communication using video/image technology such as AR. In a year and a half of its launch, it has grown explosively and achieved 100 million subscribers in Asian markets such as Korea, Japan, and Taiwan. Snow's global market attack is still underway, launching services with enthusiastic responses such as Jam Live and Zepeto day after day.

FAMILY SERVICES
B612, Foodie, SODA, LOOKS, LINE Camera, Zepeto, Jam Live, Cake, Wit, etc.

NBP NAVER BUSINESS PLATFORM

NAVER BUSINESS PLATFORM Corp.
Since 2009.05

• **CEO Weongi Park**
• **Bundang**

"Excellence for success"

NAVER Business Platform is NAVER's IT specialist subsidiary that provides global IT services to various NAVER subsidiaries such as NAVER, LINE, and Snow. Based on stable IT service technologies and experiences such as infrastructure, security, cloud, IDC, and in-house information services, built the eco-friendly Data Center 'Gak' for the first time as a portal company in Korea, and launched the "NAVER Cloud Platform," a public cloud service, in 2017. NBP carries on new challenges by targeting global cloud markets based on global regions, located in 10 major regions overseas.

REGIONS HOLDING NAVER CLOUD PLATFORM, AND GLOBAL COVERAGE
US West Region – US, Canada, Mexico, etc.
Singapore Region – Indonesia, Malaysia, Thailand, Cambodia, Vietnam, etc.
Hong Kong Regions – Hong Kong, Taiwan, Macao, Vietnam, Philippines, etc.
Japanese Region – Japan
Germany Region – Europe 21 countries, Africa, the Middle East, etc.

RESEARCH FIELDS

NAVER

Clova research fields
Machine Learning / Deep Learning / NLP / Dialogue /
Speech / Audio Signal Processing / Voice Synthesis /
Computer Vision / Recommendation /
Music Information Modeling / Video Understanding /
Financial AI etc.

Search related fields
Search Relevance / Personalized Product and
LocalSearch Modeling / User-generated Content Analysis /
Text Mining / Image and Video Content Analysis /
Web Crawling / Traffic Analysis and Distributed High-scale
Search System Engineering etc.

LABS

Robotics
Robot System Design & Control / Robot Vision & Perception /
Human-Robot Interaction etc.

Vision for Autonomous Machines
Mapping & Localization / Perception / 3D Vision / Image Processing /
Machine Learning / Segmentation / Image Retrieval /
Computational Photography / 3D Geometry / Structure from Motion /
Multi-View and Stereo Vision / Image Enhancement /
Model Compression / Visual Odometry / Visual SLAM /
Object Detection / Multi-Object Tracking / Sensor Fusion etc.

WEBTOON

Machine Learning / Deep Learning / Computer Vision /
End to End Style Transfer / Super Resolution / Image Synthesis /
Auto Colorization / Shading / Lighting / DeNoising /
Action Recognition etc.

SNOW

Vision
Machine Learning / Deep Learning / Computer Vision /
Recommendation / Image Enhancement / Inpainting /
Image Synthesis etc.

Graphics
Shading, Physically based rendering, 2D/3D rendering,
Non-photorealistic rendering, Particle rendering, 2D/3D Animation,
Digital image processing, Rendering performance optimization,
Physics engine integration, Computer vision integration etc.

ENGINEERING FIELDS

NAVER

Server/ Client / iOS / Android / Front-end / Distributed System /
RDBMS / Infrastructure / Security / Performance profiling /
Data visualization / Test Automation etc.

WEBTOON

Server / Client / Android / iOS / Front-end / Image·PSD·ePub·Video
Process / RDBMS / NoSql / Hadoop / HBase / Impala / Spark /
Data Visualization / Performance Profiling / Test Automation etc.

NBP

IT Infra (Cloud included)
Server / Network / Contents Delivery Network /
Security / Storage / DataBase / Internet Data Center /
Enterprise Information System / Development etc.

• System Hardware / Software
• Operation / Provisioning / Monitoring / Incident Mgmt.
• Troubleshooting / Performance Engineering / Optimization /
  Architecting
• Data Analytics / Machine Learning / Artificial Intelligence
• Programming& Debugging

WORKS MOBILE

Service-related
Spam filtering / Keyword search / Message Bot, VoIP / Translation /
File management / Data protection / Authentication / Authorization /
Access Control / Mobile Device Management etc.

SNOW

Service-related
• Camera / Image / Video Editing / Camera 2 (Android)
• Skin Smooth, Filter, Effect, Image Processing, 3D Rendering
• Face / Hair / Body Recognition, Segmentation, Image Enhancement
• AI recommendation, Deep Learning
• OpenGL, OpenCV, ML Kit, Metal, AR
• Massive concurrent data processing
• Massive concurrent message delivery

recruit.navercorp.com

WORKING AT NAVER

"Users" are our standard.

NAVER's services and products
impact the everyday lives of users.

Therefore, no matter how tedious and minor,
we feel the weight of responsibility
and find meaning in delivering our services.

In this environment of continuous change,
we at NAVER strive for maximum transparency
and progressive growth.

To make us be proud of working at NAVER,
"We will never stop challenging"

PEOPLE & CULTURE

THE BEST COLLEAGUE, THE BEST EXPERT
NAVER is a place to grow together with colleagues while sharing the best technologies and experiences.
NAVER is a place where people gather to feel the excitement in discovering meaningful tasks and achieving challenging goals.

GREAT TEAMWORK AND GROWTH-ORIENTED
To share experiences and grow together, we open lots of opportunities such as in-house Tech Talk Meetups, on/off code reviews, in-house competitions, and Hackday.
Sharing experiences of success and failures, we will grow and move forward to success.

DATA & INTERACTION

REAL-TIME FEEDBACK FROM COUNTLESS USERS
Ever thought of how many people access NAVER's home page every day? How much time does one user stay on NAVER? Experience of planning and developing Korea's largest platform/service, an experience where the screen that I drew becomes the home page of NAVER, we learn from user responses and feedback and grow.

DATA RECORDED IN EVERY SECOND
Recording the present of every minute and second in an e-mail, blog, and cafe, we lead the age where everyone's thoughts are contained and shared.
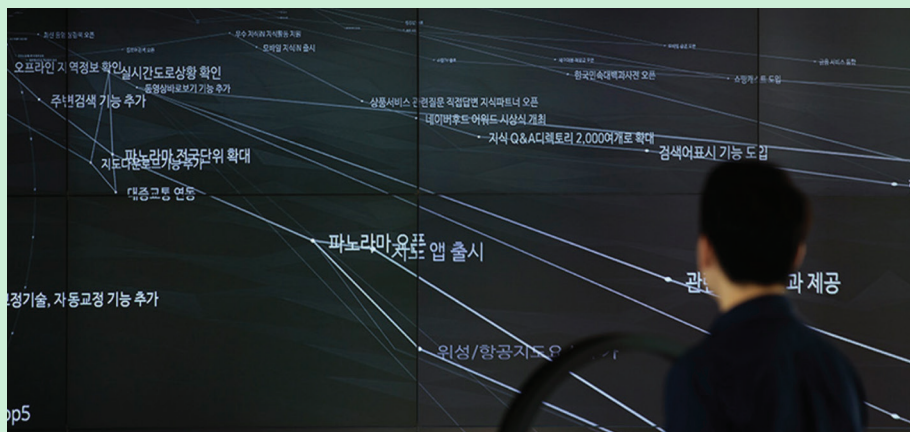
WORKING AT NAVER

WE GROW TOGETHER, SHARING TECHNOLOGIES AND EXPERIENCES.

TECH TALK

A technology sharing event that is held 3 or 4 times a week for information exchange between developers.
This is run to expand the technology base of our company members such as seminars by external experts on various topics and sharing experiences about R&D. While sharing the experiences of each other, we often learn how to not repeat the same mistakes at work.

ENGINEERING DAY

This is an event where developers share new technology and know-how developed in the practice and research process with all employees.
It is an opportunity that introduces most of our technologies such as AI, Deep Learning using distributed computing, image processing technology, and various in-house PaaS.

N INNOVATION AWARD

N INNOVATION AWARD, which was created to discover excellent in-house technologies and encourage and share, selects Top 3 technologies for each service development track and R&D track through technology strategy meetings and employee voting, and award up to 20 million won in prize money every year.

NAVER COLLOQUIUM

It is an academic event where experts such as graduate students and developers gather to run seminars and closely debate on NAVER technology.
Colloquium in 2019, which celebrated its fourth round since starting with the Search Colloquium in 2016, introduced NAVER technologies in AI-related fields.

DEVIEW
It is Korea's largest developer conference organized to share knowledge, pursue excellence, and grow together.
DEVIEW, which started with NAVER's in-house technology event in 2006, has become an event that invites engineers and open source developers from domestic IT companies, start-ups, and ventures as well as global SW companies to share NAVER's experience and technology and grow together.

HACKDAY
It is a 2-day event to suggest new ideas that raise user value such as new service proposals and existing service improvements.
Open for anyone including developers, planners, designers, and staff to participate in, and selected ideas are actively supported to be reflected in the actual service.

ALPHA SPURT!
'Alpha Spurt!' is an idea sharing event for service designing that allows you to speak out thoughts kept in your head like "I really wanted to do a service like this!" We make it a top priority to implement the suggested ideas into real services, and we are supporting 'Alpha Spurt!' to extend beyond the country to the world.

UNLEASH YOUR POTENTIAL WITH NAVER