Kalon Compute Compute Compute Compute Computer Compute

"kakao PlusFriendMall"

No. 1 distribution online platform for small and medium-sized marts in Korea

















Contents

- 1. Company
- 2. Milestones & Honors
- 3. Organization
- 4. Services
- **5**. Technology
- 6. Market Analysis
- 7. Business Progress
- 8. Business Strategy

1. Company

Information&Communication Technology

DaeHyeongNetworks Corp. is the official dealer of kakao bizmessage.

DaeHyeongNetworks Corp. Company Overview

Company Name

CEO

Founding date

Number of employees

Main number

Company Registration Number

Changwon HQ

- Seoul Branch
- Daejeon Branch
- Daegu Branch
- Gwangju Branch
- Home page
- Major Business

DaeHyeongNetworks Corp.

Song, Jonggeun

2018, 01

34 people.

1522-7985

364-88-00974

Room 301,302, 4th Industrial Convergence District, 54, Palyong-ro 48beon-gil, Uichang-gu,

Changwon, Gyeongnam

Room 1401, IS BIZ Tower, 75-24, Gasan Digital 1-ro, Geumcheon-gu, Seoul

Room Q of the Philospace Business Center, 773 Yuseong-daero, Yuseong-gu, Daejeon

Room 513, S/W Convergence Biz Tech Center, 160 Alpha City 1-ro, Suseong-gu, Daegu

Room 533-1, Rehobot Gwangju Business Center, 5th floor, Sangmu Tower,

7 Sangmujungang-ro, Seo-gu, Gwangju

www.dhncorp.co.kr

020 Business

- -Kakao Online Biz Message
- -Kakao O2O e Commerce Platform

Intelligent Machine Business

- -Al, Deep Learning, Big Data
- Regional-led Platform Development
- Hydrogen, manufacturing, distribution, tourism, transportation, e-green, urban regeneration, small business

2. Milestones & Honors

DaeHyeongNetworks Corp.



Since its foundation, DaeHyongNetworks Corp. has been developing into a trusted company by increasing its capabilities

2021.

- 07. Establishes Seoul branch Innobiz Certification
- O6. Establishes Daejeon branch Business partnership with KT RCS Corp. Business partnership with Infobank Biz Message
- 05. Establishes Gwangju branch ISO 9001:2015 certification
- 01. Kakao official dealer contract

2020.

- 07. Modoo Al Platform Release
- 06. Establishes Daegu branch
- 04. 500 million contracts for Investment loan by the KOSME
- 01. Kakao's new official dealer contract

2019.

- 11. Selected as First Penguin-type startup company by Korea Credit Guarantee Fund Technology Competency Excellent Company Certification in 2019
- 09. Selected as Top 100 largest companies in Korea by the Korea Credit Guarantee Fund START-UP NEST
- 06. Increased capital by 300 million won
- 03.R&D of Artificial Intelligence Deep Learning Algorithm, Dongseo University Industry-Academic Cooperation
- 01.Acquired a special type of value-added communication service provider from Korea Radio Research Institute

2018.

- 12. Dongseo University Industry-University Agreement
- Software business report confirmation completed Acquisition of KIBO Venture Business Certification
- 09. Ministry of SMEs and Startups SME confirmation completed
- 08. Business agreement with Samsung S1 corp.
- 07. Registered e-commerce mail order business
- 06. Establishes Corporate R&D Center
- 05. ISO 9001
- 04. 2018 Corporate Competency Excellence Certified Company
- 02. Registered with Korea Software Association Kakao MartTalk Copyright Registration
- 01. Establishes DaeHyungNetworks Corp.

3. Organization

DaeHyeongNetworks Corp. Organization chart Awards



CEO Song Jonggeun

"80% of technical development personnel, We consider technology as our top priority."

- Graduated from Dongseo University, Department of Business Administration
- Cisco CCNA(Network Overseas Authorized Qualification)
- LGDACOM Communication-based sales department
- Establishes Daehyung Networks Corp.

An executive of the Korea Text Marketing Association

A committee member of the Korea Auto Marketing Association

Completion of the 4th Industrial CEO course at Gyeongsang National University

An executive officer of the Korea New Media Association

Director of Gyeongnam ICT Association

3. Organization chart Awards

DaeHyeongNetworks Corp. **DHN Crew** Seoul Branch Management Dept. Development Dept. DHN Daejeon Branch Total number of employees: 34 Sales Dept. Design Dept. Marketing Dept. Gwangju Branch

Team Member

Excellent talent through industry-leading experience and job skills improvement are together.



COO Donghyun Kim

Graduated from Yonsei University Former LG U+ Operations Team Leader Former KT management support team leader



Developer Suhwan Lee

Graduated from Hanyang University Former Developer of LG Electronics' DID Business Department Former Hyosung Developer Former Doosan Engine Development



Marketer Hyesoo Lee

Platform Story Marketer Former Coupang Marketer



Web designer Minsoo Kim

Former Designer at Yuhan-Kimberly

Daegu Branch

Services

4. Services OFF-LINE visit sales ON - LINE order sales New Al kakao MartTalk Al kakao GNI Kakao PlusFriendMalll Provider

kakao official dealer

DaeHyeong Networks Corp.

Distribution field ▶

Consumer: 80,000 small and medium-sized mart distributors in Korea who want to send informationor advertisement messages to customers



customer convenience(2-year full care service ->Implementation of total service when monthly basic fee is paid within the contract period, design production + forwarding agency + Marketing agency)

Cost Reduction(Reduction of labor costs and leaflet costs by providing advertising posters and draft designs used when sending advertising messages)

The sales increase(Contributing to sales growth by maximizing customer marketing rather than simple outgoing service,

Visit sales increase + Non-face-to-face online sales)

m kakaoMartTalk

pf kakaoPlusFriendMall

Mobile carrier

SMS/LMS provider

Al kakao GNI

50 million

nation

kakaoPlusFriendMall

80,000 small and medium mart

distributors in Korea

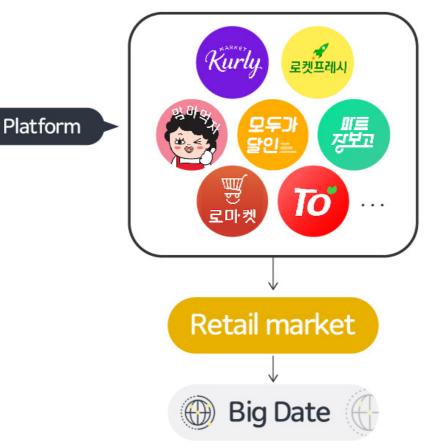


2. Business concept(1)

Competitors



DHN Corp.



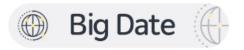


Q. What is the probability of business success?

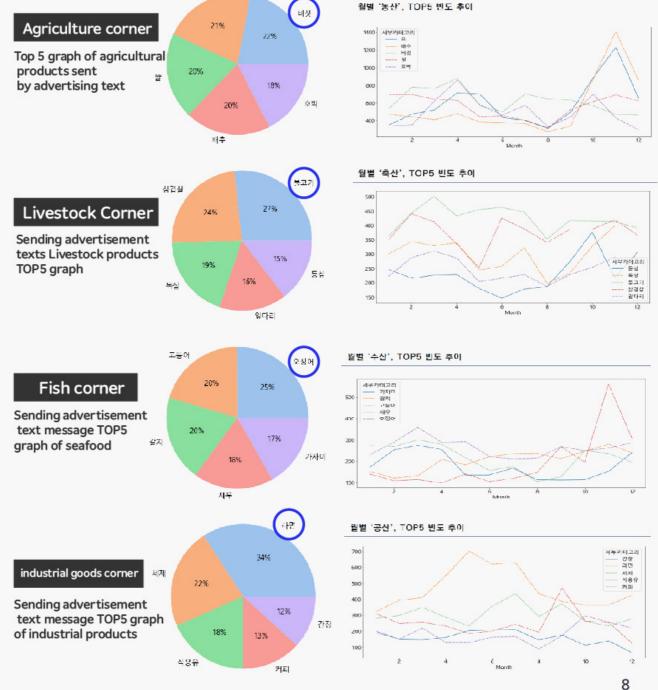
A. Marketing doesn't mean just making a good app!

2. Business concept(2)

"Are you going to the mart?" It took about three years to do e-commerce.



- Having customer mobile phone numbers for national region
- How much do you buy?
- What do you mainly buy?
- Cash vs Card
- Mainly purchased time zone
- Main purchase day of the week
- What is your preference?
- What do you like?



3. O2O Main product introduction













Full-care service

Self-directed service

e - commerce platform

3. O2O Main product introduction(1) kakaoMartTalk



"Smart Advertising," a new concept for 80,000 small and medium-sized mart owners in Korea

Postpaid and full-care services

kakaoMartTalk

kakaoMartTalk is a service that can send Alim Talk, Friend Talk, and Text Message Services all on one platform.

Experience high promotional effects with high reach (100%) and high response rate (13~15%) compared to low advertising cost (15 won per talk). Any user of Korea's representative messenger 'KakaoTalk' can become a customer.

- Alim Talk service targeting customer that can send coupons to special customers
- We are confident that we will save 80% of the cost compared to the standard with smart advertising costs
- Full-care service

For more reliable publicity to customers, we create high-quality images and analyze effective shipping patterns to take care of shipments.

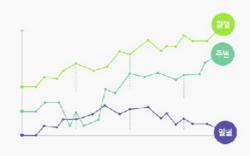
3. O2O Main product introduction (2) Al-kakao GNI?



Increased store profits! Re-visit rate UP!
Sales UP!

"Smart Advertising," a new concept for 80,000 small and medium-sized mart owners in Korea

Pre-charge and self-directed service



실시간 매장현황 확인

복산한 선치가 필요없습니다. 긴편하게 사용하세요~ 실시간 매출현황, 방문자 현황, 고객관리, 우리인 홍보 관리까지 매장통합관리시스템, 지나 하나면 한번에!!

내맘대로 스마트전단 만들기

#템플릿노 마음껏 사용하세요! # 완전 무료 # 시작권 걱정 없음

원하는 댓플릿을 선택해서 내밀대로 만드는 손쉬운 디자인 SNS/문사 중복, 매장용 안쇄 POP 등 나양한 프로모션으로 매출상승!

전도본민교 입력 **샘플밀송신청**





알림톡, 친구톡, 문자 홍보

키키오 공식달리지 (주)대형테트워스가

메시지 분야의 전문 노하우를 바탕으로 알림목 &문자. 서비스를 제공합니다.

3. O2O Main product introduction

(2) Al-kakao GNI?



Smart leaflet



이미지형 상품코너 추가



텍스트형 상품코너 추가



행사이미지 직접추가

> 행사코너 순서변경









3. O2O Main product introduction(3) Kakao PlusFrandmol

The era of product exposure is over. Focus on the purchase coordinates!

New development of "Kakao PlusFriendMall", an online shopping mall exclusively for non-face-to-face marts O2O service connected based on KakaoTalk

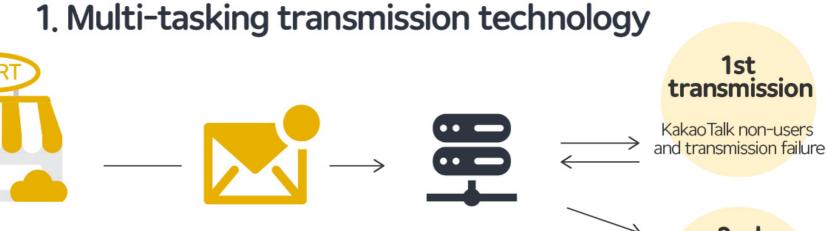




Technology

5. Technology

Technology Introduction: Core Technology



80,000 small and medium mart distributors in Korea

Send Kakao Talk text messages AllimTalk/FriendTalk Artificial Intelligence Server (AI) 2nd retransmission

SMS/LMS 2nd retransmission

1st send kakaotalk

Data transmission method(Maximize transmission speed with various algorithms such as ring type, star type, tree type, etc.)

2st send kakaotalk

Point-to-point transmission method (Send/receive value feedback result reflection speed)

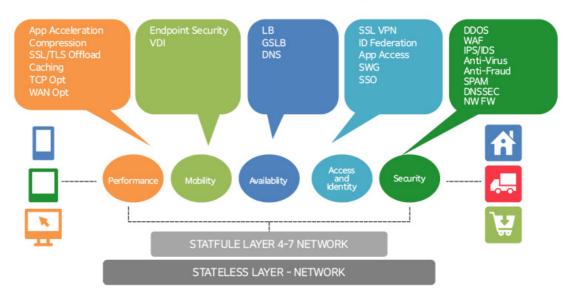
5. Technology

Technology Introduction: Core Technology

2. Traffic Distributed Processing Technology

- 1. Stable and fast technology with kernel-based load balancing
- 2. When adding or deleting a real server at the bottom, it is possible at any time without service interruption,
- 3. Nearly infinite server expansion possible when using DR me-thod
- 4. Optimal security and performance are expected when used with a firewall
- 5. Performance improvement expected through continuous ker-nel upgrade
- 6. Various Scheduling Algorithms
- 7. In case of load balancer or real server failure, mail/Kakao Talk/text message notification to administrator
- 8. Load balancing function support even when using Dyna-mic content
- 9. Technology to monitor real-time load balancing status

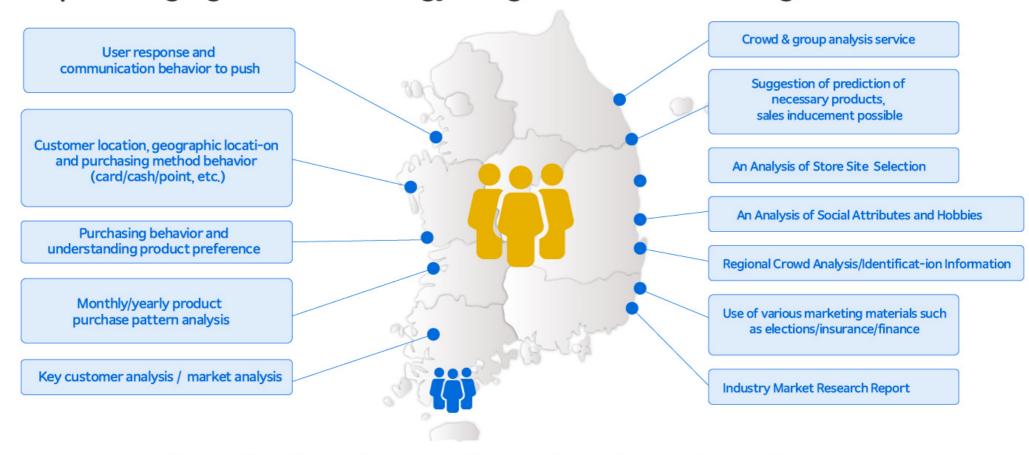
Application Services



5. Technology

Technology Introduction: Core Technology

3. Deep learning algorithm technology using Java framework & Bigdata



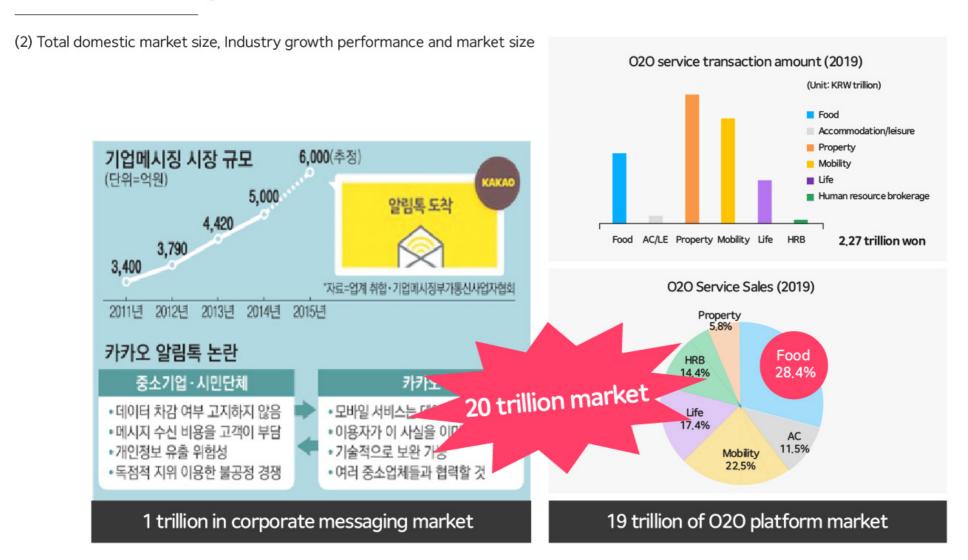
Know the flow of money through customer behavior.

(Customer insight, DB system based on large-capacity big data analysis)

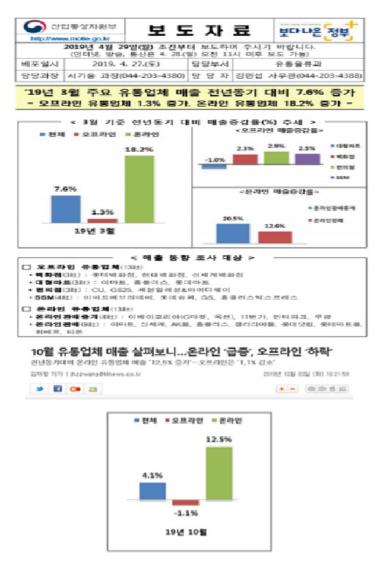
- (1) Total overseas market size _ Industrial growth performance and market size
 - The basis for predicting the growth of the O2O service market is the mobile payment market. Based on the average annual growth rate of the global mobile payment market of 42.2% from 2011 to 2016, the transaction value marke was formed through the mobile payment market from '17 to '20
 - The global O2O market size is formed based on five representative sharing economy services, including personal-to-individual loans and crowdfunding, human resource brokerage service, online accommodation, car sharing, and media (music and video) streaming
 - In Europe, based on the transaction size and sales of the relevant companies in five fields, including personal accommodation, interpersonal transportation, housekeeping service, professional service, and finance, in 2015, the transaction volume was 37.6 trillion won, and the commission-based platform sales volume was 4 trillion won. 800 billion won, a significant increase of 77% and 97% compared to 2014, respectively.
 - In the U.S., according to a 2015 survey by the National Technology Readiness Survet (NTRS), 22.4 million consumers
 using on-demand services and annual spending of 65.3 trillion won market progressed
 - China's O2O market, which has a high rate of O2O service usage, is growing rapidly.

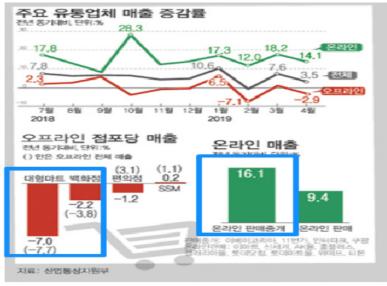
				121	47 trillion	WOH	(Unit: billion dollars,%)
Division	'17	'18	'19	'20	(As of 2021)	-22	
World market	263.1	374.1	531.9	756.4	ر 1075.	1529.5	'23
Source :020 A new paradigm of service-living services (Yoon Hoe Lee, KISTI,2016)							42.2

Estimation Basis: Worldwirde mobile payment transaction volume 2010–2017, Gartner(2012), 'O2O,Over commerce to On-Demand Economy, O2O platform operator profit rate average of 3% applied, KT Economic Research Institute(2015)



(3) Market background





온라인쇼핑몰 매출 8개월연속 10조 돌파...모바일 7.6조 역대 최대

통계정, 1~10일 문과인 쇼핑 동영 2/3가 모바일 몸새시창 씨의 배하나인 가구 증가 원인 음식서비스 목증세. 유거 늘이 면세정 화장용도 증가 문화례사시비스는 감소 대조



(4) Customer Segment

Can't it be cheaper?

Paper leaflets cost at least 2 to 10 million won a month, so it's burdensome burden!

I wish it would be linked with the POS Terminal

It is difficult to induce customers to install the APP. Is there any way to replace it?



Paper leaflets are not seen well by people but there is no other medium to replace them.

Can't you easily sell things non-face-to-face because of COVID-19?

(5) Concept, Differentiation & Originality

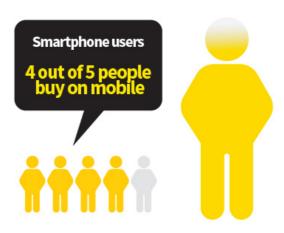


Concept: Contain the platform on the Kakaotalk app.



In the Corona era, mobile shopping transaction amount is the highest ever!

Mobile and shopping are now inseparable



94% Affected by mobile ads!

(6) Differentiation

Application vs kakao PlusFriendMall

APP	Division	kakao PlusFriendMall(Web)	
70 million won - up to 300 million won	Initial development cost	Monthly usage fee 550,000 won (VAT included)	
Separate application promotion required	Promotion	Mart Allimtalk+ PlusFriendmall	
play store install	API Installation status	Instant Web-based connectivity without additional installation (click link)	
Membership required after web installation	Membership	No signup required	
Partial use of mobile capacity	Memory capacity	No capacity required	
Limited to the person who installed the API	Target use	All customers with data	
Separate production required for iOS	Version use	Available for both Android/iOS	
Sales commission	Fees	Monthly payment regardless of sales	

< Table 1> Comparison of advantages when using general application and 'Kakao PlusFriendMall'

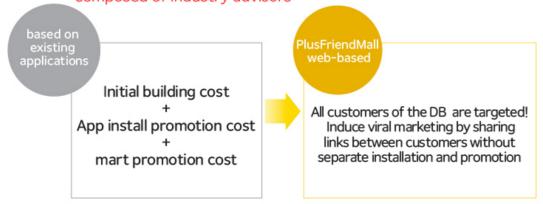
(7) creativity

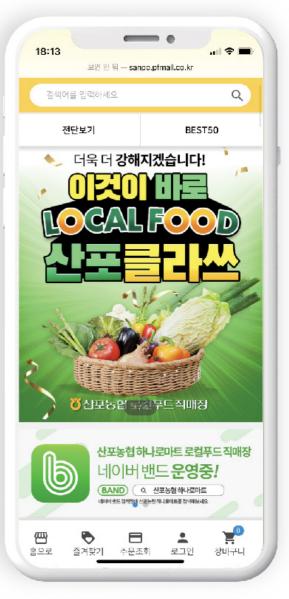


Kakao PlusFriendMall

If only KakaoTalk is registered, you can order from a nearby mart anywhere in the country without the need for separate registration between Android phone and iPhone users

KakaoPlusFriendMall, a marketing method that does not require the installation of a separate application, can be linked to various marketing tools such as Facebook, Naver Blog, Kakao Story, and Band, and develop differentiated contents that are linked to electronic payment(PG) inicis - Improve the reliability of research results through feedback through an expert advisory committee composed of industry advisors





< PlusFriendMall Screen Configuration, Main Home Screen >

(7) creativity

Marketing method for precise target with powerful digital medium using local targeting

- You can directly enter the 'Kakao PlusFriendMall' through Alim Talk, Friend Talk, and general text services, and order items that you have always bought at member marts registered in the nearby PlusFriendMall without registering as a member.
- It provides a non-face-to-face offline marketing method by increasing sales of local small business owners and rapid delivery of nearby marts
 - -Turn local marts online to create a chain ecosystem that coexists with sales growth through customized connections
- Coupang and Market Kurly of large corporations do not provide most of the functions of regional targets.
 - A role as an immediate medium for promoting and marketing to local consumers (FULL) without brand awareness
 - It is possible to enter without initial development or IT expertise such as Photoshop and coding, and it enables marketability access to shopping mall operators through high user convenience and linking with customer database with various marketing tools such as KakaoTalk.
 - No need for separate installation capacity
 - Securing a new market marketing channel for local small business owners who do not have a PR alternative



(8) Competitors

Currently, there is no service platform with the same function that connects web-based fresh food and AlimTalk.

Lorem ipsum

< Table 2> Competitors in major domestic markets

markets Competitor name	Product name	Sale Price	Annual sales
Market Kurly	Mart app (Fresh food)	60,000 won/case	1 trillion won
Coupang Fresh Mart app (Fresh food)		45,000 won/case	6 trillion won
CNKI	Nonghyupmall(Fresh food)	50,000 won/case	332.2 billion
Naver Shoping	Mart App (Homeplus Seoul and Gyeonggi-do 32 traditional markets)	Sales-related fee 2% Naver Pay payment fee	200 million
Surem	Allimtok Biz Message	Allimtok 15 won chingutok 20 won text/image insertion 45 won (VAT not included)	1.61 billion
Orangemsg	Allimtok Biz Message	Allimtok 10 won chingutok 17 won text/image insertion 27 won (VAT not included)	-
Ppurio(DAOU Tech)	Allimtok Biz Message	Allimtok 8 won chingutok 12 won text/image insertion 20 won (VAT not included)	221,3 billion

(8) Competitors kakaoMartTalk +Al kakao Gni + kakaoplusFreindMall

> Total Addressable Market TAM Service Available Market Serviceable Obtainable Market

kakaoMatTalk + Al kakao GNI + PlusFriendMall

over 20 million places TAM (Total Addressable Market) 2025

Mart, restaurant, bakery, cafe, bookstore, PC room, billiard room, karaoke, academy, fitness, pub, cosmetics, clothing, hair shop, eyewear store, furniture store, telecommunication, hospital, massage shop, accessories, etc. Estimated market size of 1 trillion won

over 100,000 places

SAM(Service Available Market) 2023

(Gyeongnam area) Public institutions, banks, university high schools, etc./ Distribution industry nationwide marts Estimated market size of 200 billion won

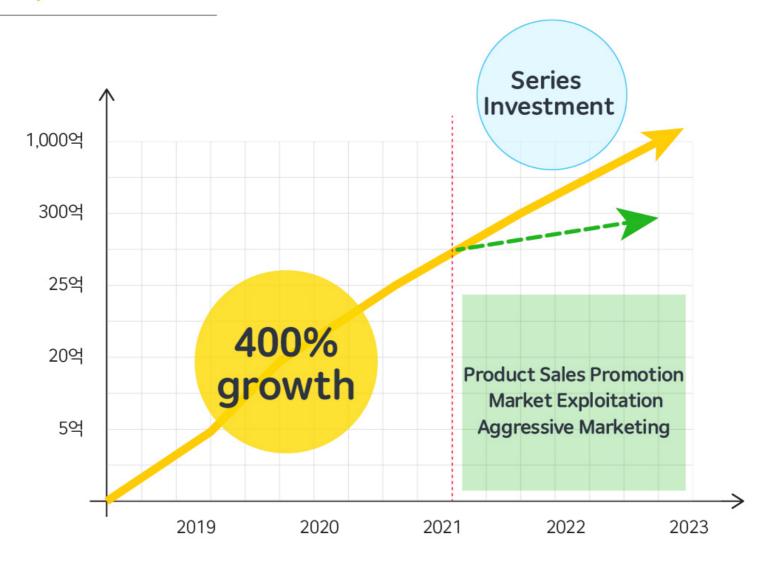
10,000 places

SOM(Serviceable Obtainable Market) Currently

Distribution Industry + National Nonghyup Hanaro Mart Estimated market size of 30 billion won

Business Progress

1. Business performance



DaeHyeongNetworks Corp.

2. Customer

Distribution field

Establishment of distribution network and business partners

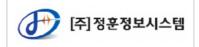
National Mart



Nonghyup Hanaro Mart nationwide 450 places

Small and medium-sized supermarkets nationwide 600 places

Business partner









etc











3. Revenue stream

Agency Fee>Monthly Amount>Distribution Margin
>Relay Fee>Securing Cash Liquidity

Agency Fee
Design production agency revenue induced by a customer's one-time expenditure

Monthly Amount
Revenue generated repeatedly through customer support after customers purchase

Distribution Margin
Revenue from text message fees in the middle of transactions

PlusFriendMall Distribution Margin
Repetitive sales and distribution fees due to sales revenue generation

Cash Flow
Securing 100 million cash per month when using smart advertising platform pre-charging



DaeHyeongNetworks Corp.

8

Business Strategy

1. Strategy to create a social foundation

Utilization of "economic V-turn" nationwide due to COVID-19

Collaboration between small business departments in Gyeongsangnam-do and Changwon to utilize local government budget projects to save small business owners

tilization of service of demand companies through K non-face-to-face voucher busines

Securing opportunities for business growth and broad service sales by utilizing open markets that connect non-face-to-face service companies and demanding companies

Utilization of small business associations and organizations nationwide

Expanding the participation atmosphere of social development through free marketing seminars and lectures for small business owners nationwide

2. Domestic strategy

Customized domestic commercialization plan by application

Direct Channel Establishment of a nationwide sales office(base sales) National Mart Association MOU Activating door-to-door sales Revitalize large-scale freelancers across the country Recruitment of lower partner companies Connecting POS companies nationwide

- \bullet Ranking of customers and establishing meeting strategies through market research
- Establishment of sales channel development plan for affiliates by securing mid-to-large mart market
- Establishing a schedule for visiting small mart customers and conducting visits
- Discount support and order confirmation to secure price competitiveness

indirect channel

Facebook, Instagram, and YouTube marketing channels

A lecture / seminar

linking Blog, SNS

Distributor supply

External sales company

Naver/Daum Search Engine Advertising Registration

Deploy Catalog and Install Banners

3. Overseas Strategy

Developing the market for overseas Chinese companies in Southeast Asia through distribution O2O platform supply

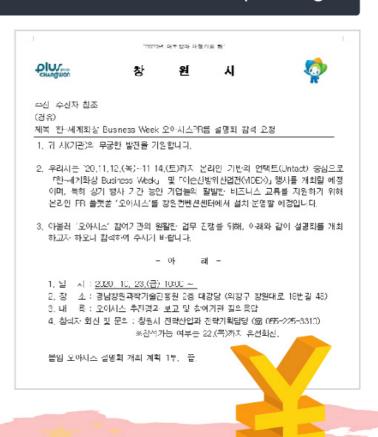
Global Practical Target Distribution O2O Platform Service is Spreading

With the Chinese capital of 2nd and 3rd generation in Southeast Asia, Hong Kong, Singapore, Thailand, and Vietnam, 70% of the local economy is dominated by industrial and distribution investment

Current assets of overseas Chinese companies KRW 2,400 trillion

Application of country-specific programs through technical feedback from overseas users

Service promotion and agency recruitment through overseas exhibitions



etc

Investment desired amount



(Unit, KRW 100 million)

Division	Subject	Required funds
	Personnel expense	
	R&D expenses	
Operating funds	Marketing expenses	
	Operating expense	
	Subtotal	



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