



Dreamline Company Profile

*Broadband
Convergence Specialist*

Table of contents

01 Company introduction

- Company introduction & shareholder structure
- History

02 Major business

- Private leased line & Internet Private leased line & IDC
- Power distribution automation & AMI
- Communication tower business
- VoIP, International call & Supplementary services
- IoT & MVNO & Mobile Retail

03 Network status

- Network facilities
- Network operation

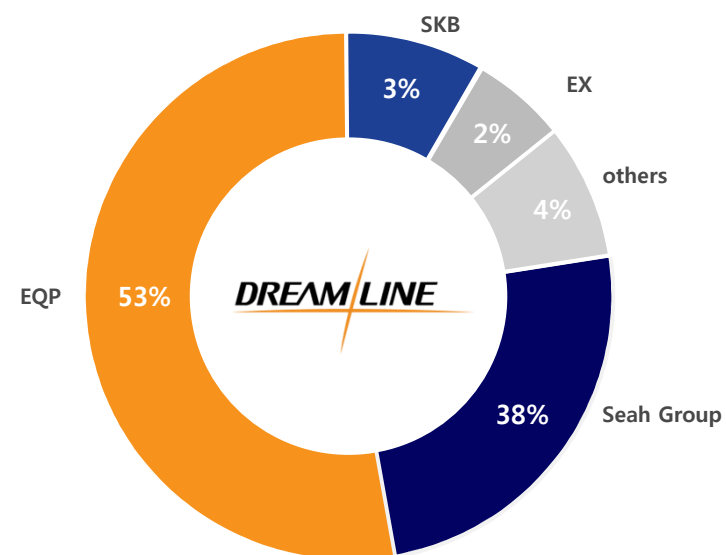
04 Key clients

- Key clients

01 Company introduction & shareholder structure


Company Name	Dreamline Co., Ltd.
CEO	Chang-Ho Kim
Established	July, 1997
Address	8F. Dream Mark1 D/C. 61, Digital-ro 31-gil, Guro-gu, Seoul, Repiblc of Korea
Subsidiary	Dream Mark1 Co., Ltd. VinaDreamline (in Vietnam)
Sales	171.4 billion won (2018)
Net profit	7.5 billion won (2018)
Capital	56.6 billion won
Employees	135

Shareholder structure (Shares outstanding : 11,325,841)

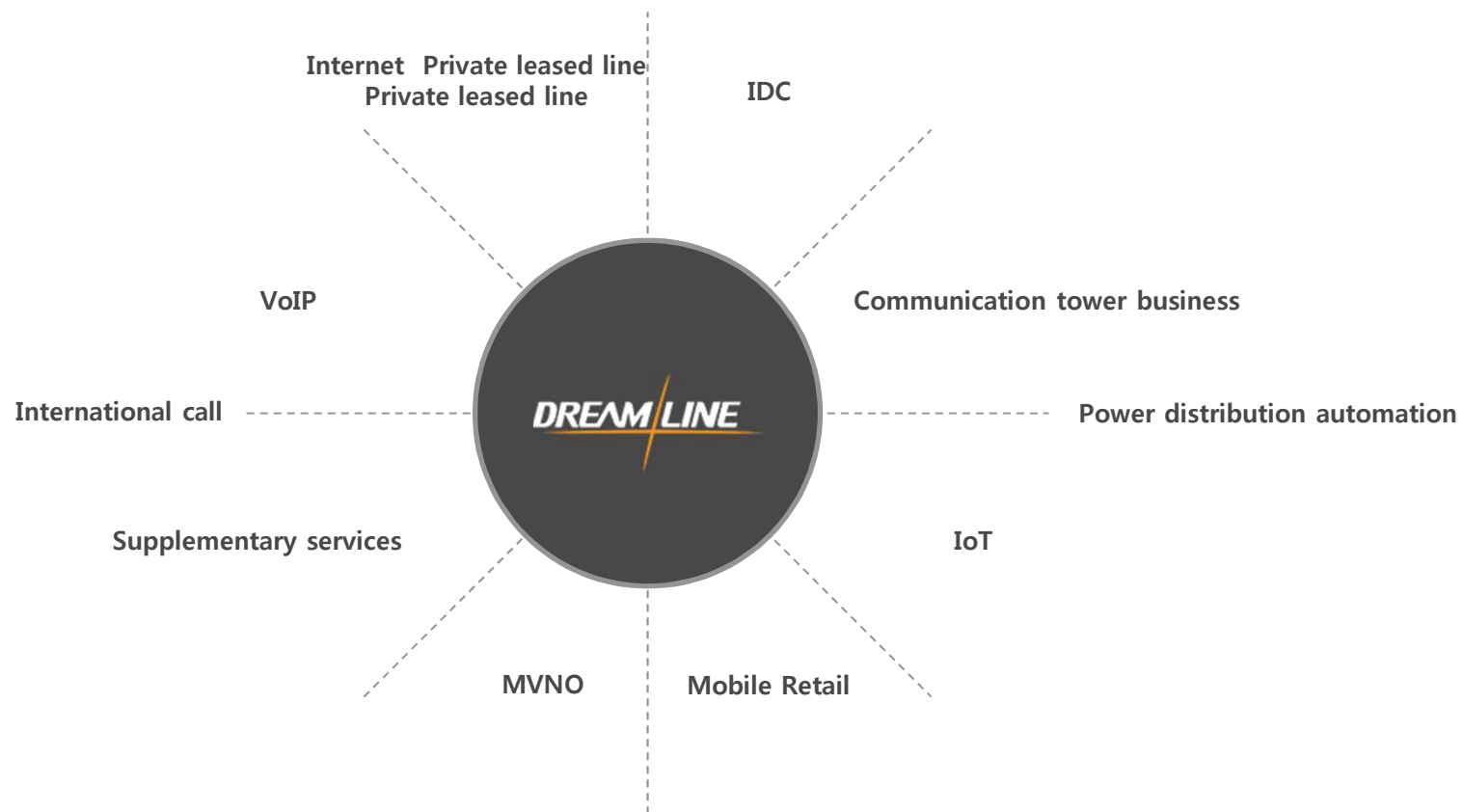


01 Company history

History

- 
- 2019** 07. Selected as the 4th government information and communication provider
 - 2018** 09. Launched Dreamline's subsidiary named " Dreammark1 Guro IDC "
 - 2017** 06. Launched MVNO service
 - 02. Launched IoT service
 - 2015** 12. Selected as KEPCO AMI service provider
 - 11. Selected as KEPCO Power Distribution Automation provider
 - 2013** 12. Launched supplementary services
 - 2011** 08. Launched international call service (00380, 00789)
 - 2008** 10. Established communication tower business
 - 04. Established VinaDreamline in Vietnam
 - 2005** 06. Launched internet phone service (VoIP)
 - 1998** 08. Built nationwide optical backbone network
 - 1997** 12. Launched business
 - 06. Obtained key telecommunication operator license

02 Major business



02 Major business

Private leased line & Internet Private leased line & IDC

Private leased line

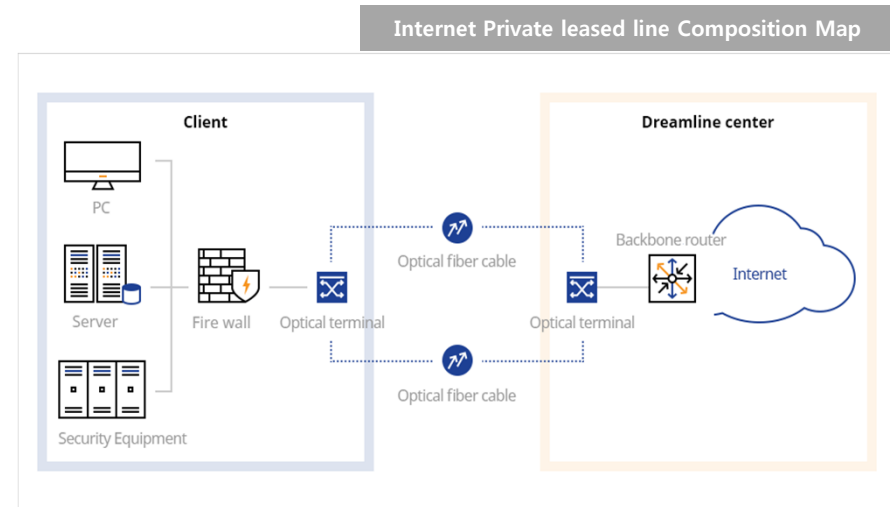
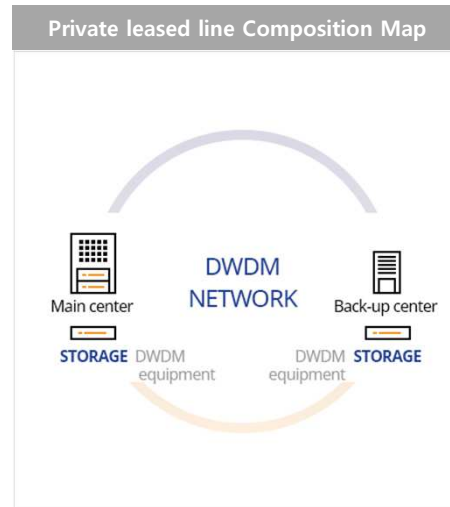
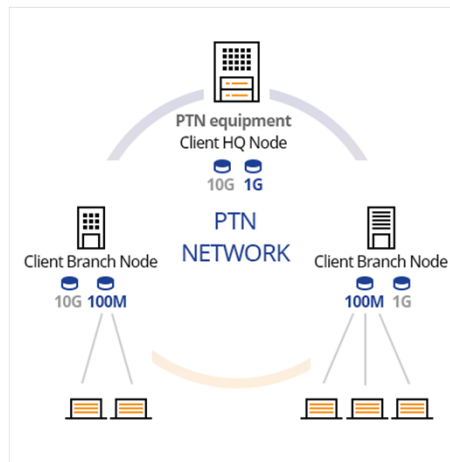
- Connecting two areas by using our own optical cable
- Private leased line utilizes 100% fiber optical network lines with high stability and high quality

Internet Private leased line

- Providing optimal internet services to customers to elevate working productivity
- Ensure a stable working environment

IDC

- Providing facilities for data storage with high-capacity internet access service
- 24h * 7day, Operating management and technical support by professional engineers



02 Major business

Power distribution automation & AMI

KEPCO Smart Grid Service

- Providing optical networks for power distribution automation
- Providing optical networks from automation devices in KEPCO control towers to modems (Node) connected to automatic switches

Smart grid service system

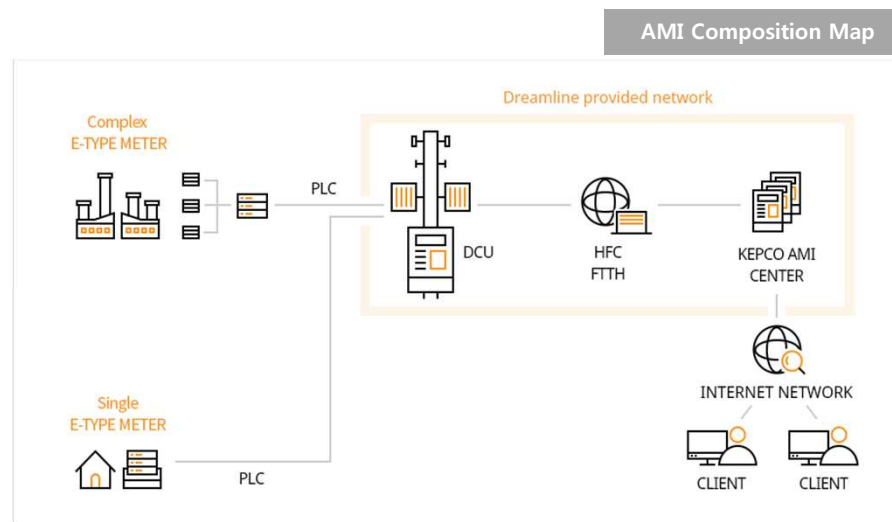
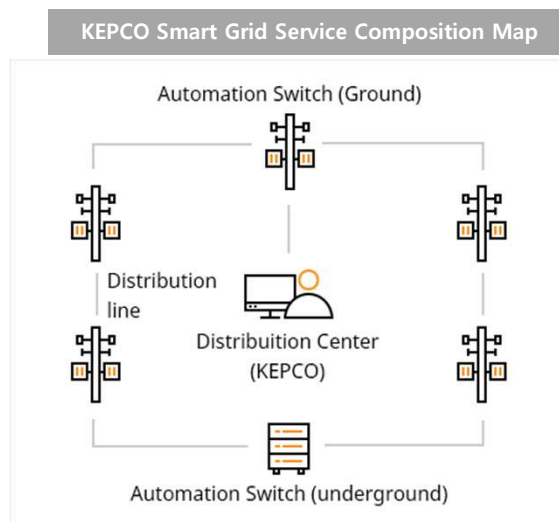
- A system that uses the data detected in real-time by the control center without the need to go to the site to detect a blackout
- Reduction of recovery time in case of blackout

AMI (Advanced Metering Infrastructure)

- Provide optical network for KEPCO AMI (Advanced Metering Infrastructure)
- Provide optical network from KEPCO data transmission device center to DCU

AMI system

- Real-time usage check (Meter reading every 1 month manually⇒ Meter reading every 15 minutes automatically)
- Construction of infrastructure to enable remote meter reading by consumers and KEPCO



02 Major business

Communication tower business

Communication tower business

- Providing the infrastructure for mobile carriers to jointly use base stations and installation space (1,000 base stations nationwide)
- Construction of base stations in order to share the usage of subsidiary facilities
- such as land, power lines, and steel towers

Communication tower business Composition Map



02 Major business

VoIP, International call

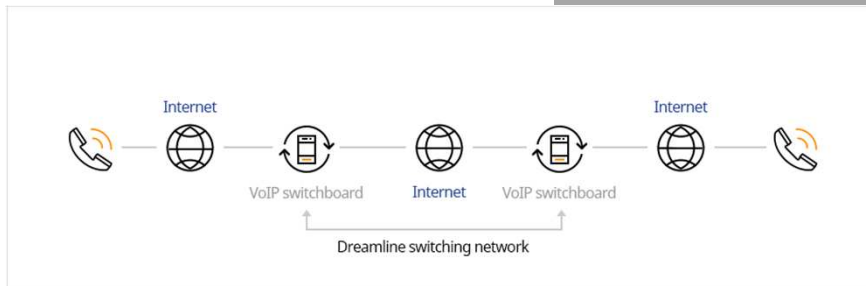
VoIP

- Various supplementary services of IP-Centrex and voice communication Using internet networks instead of existing circuit-switched networks

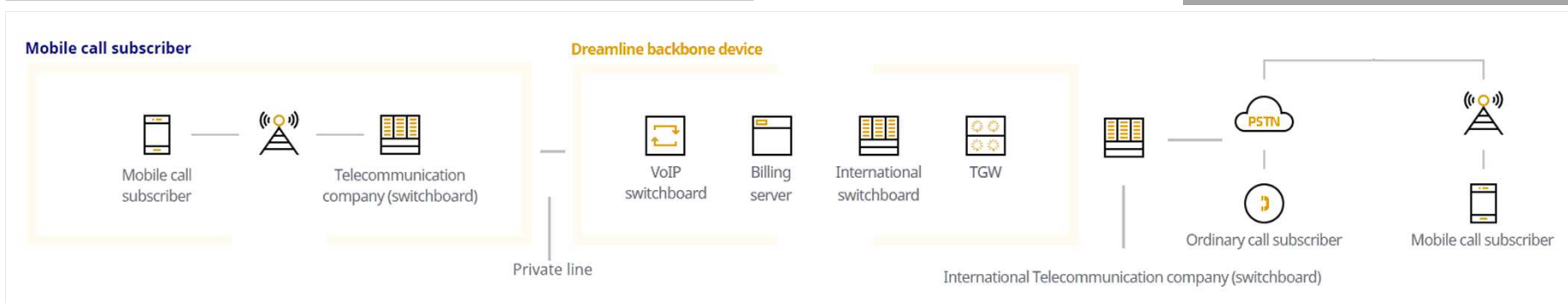
International call (00380/00789)

- Convenient international call service by accessing numbers without a separate subscription
- Identification number : 00380 , 00789

VoIP Composition Map



International call Composition Map



02 Major business Supplementary services

Nationwide number (1877)

- A service that uses business numbers scattered throughout the country as a single number

Secure numbers (050)

- Personal number : Give a permanent phone numbers
- Secure number : Customer protection by blocking the exposure of customer's information

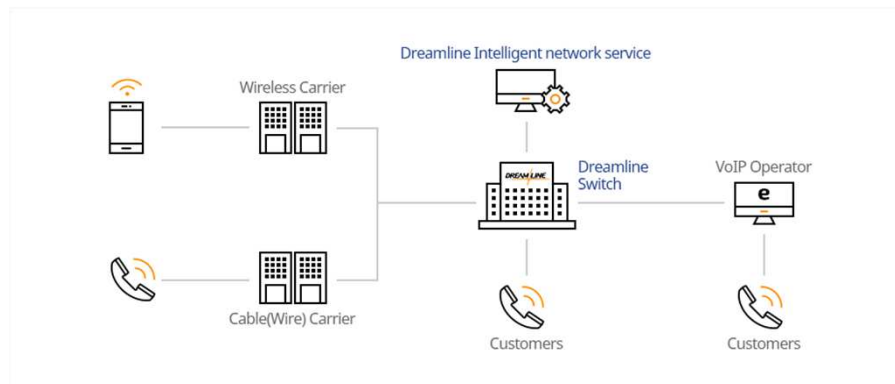
Reverse charge (080)

- Business operators charge a call fee for customer consultation and customer services

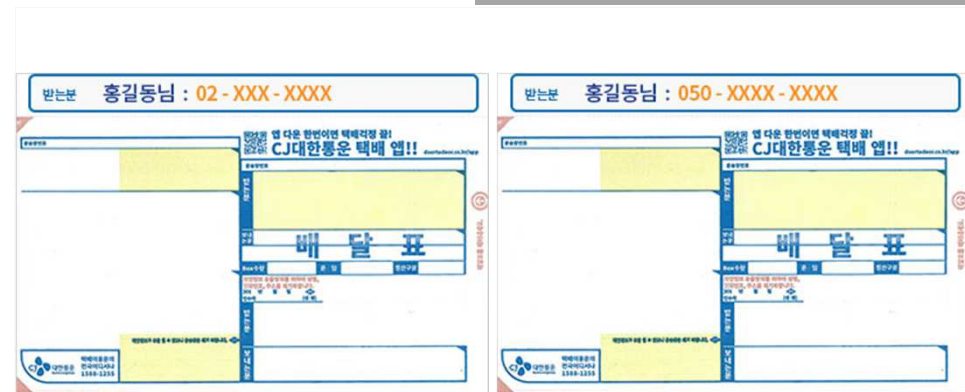
Phone information service (060)

- The service provider provides voice information on a Dreamline phone number. Customers can use that service on the phone

Nationwide number Composition Map



Secure numbers Composition Map



Before adapting 050 secure call

After adapting 050 secure call

02 Major business IoT & MVNO & Mobile Retail

IoT (Internet of Things)

- LoRa WAN 표준기반 개방형 IoT 전용망 서비스는 Public, Private 환경을 지원하여 AMI, IBS, 환경감지, Tracking 등의 다양한 IoT 환경과 서비스를 제공

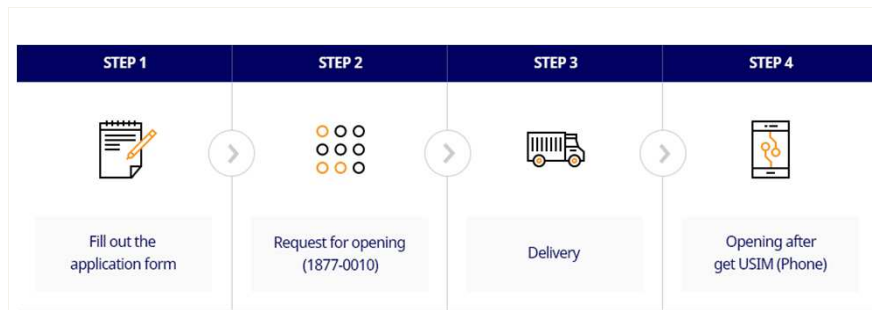
MVNO (Mobile Virtual Network Operator)

- 통신사보다 저렴하고 합리적인 요금제를 기획하여 독자적인 이동통신서비스를 제공
- 약정없는 통신서비스 가입과 핸드폰 구입이 별도로 가능하므로, 합리적인 선택을 극대화

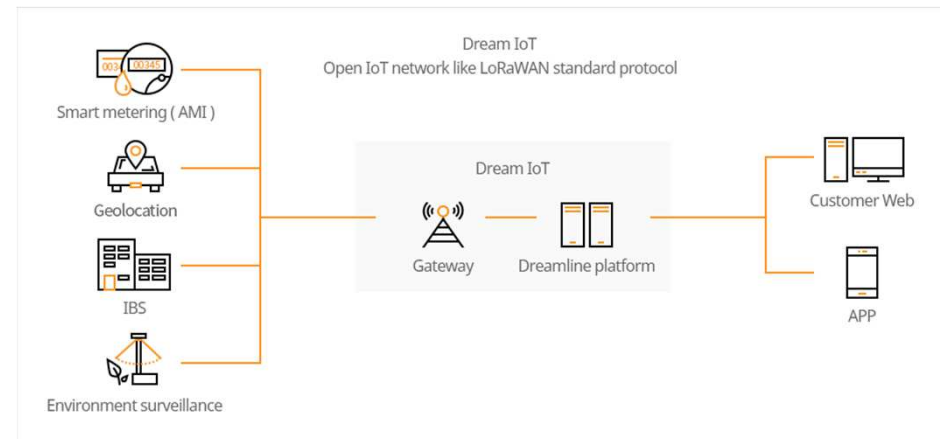
Mobile Retail

- 국내 이동통신사 및 휴대폰 제조사와 협약하여 투명하고 합리적인 유통구조를 구축하여 기존 유통서비스와 차별화
- MNO서비스 기반으로 일반,기업 고객모집을 위한 유통망 구축이 되어 있으며 합리적인 가격으로 이동통신 서비스를 제공

MVNO Service Process



IoT Composition Map



03 Network status

Network facilities

Dreamline optical network in the country

57,000

Backbone Network

5,000 km

Highway underground optical network
The shortest distance network with excellent stability

Trunk Network

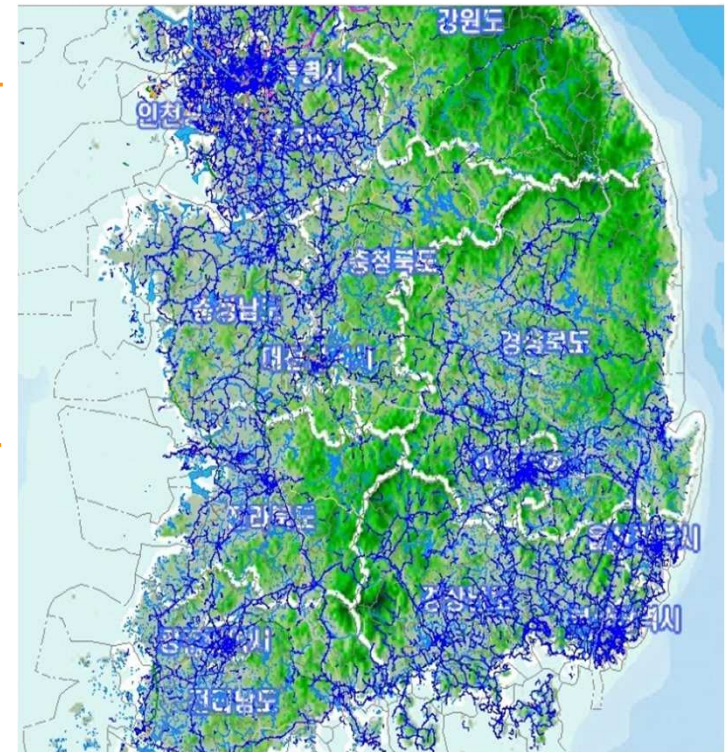
6,000 km

Major subway and highway optical network

Subscriber Network

46,000 km

Optical network to provide subscriber service



03 Network status

Network operation

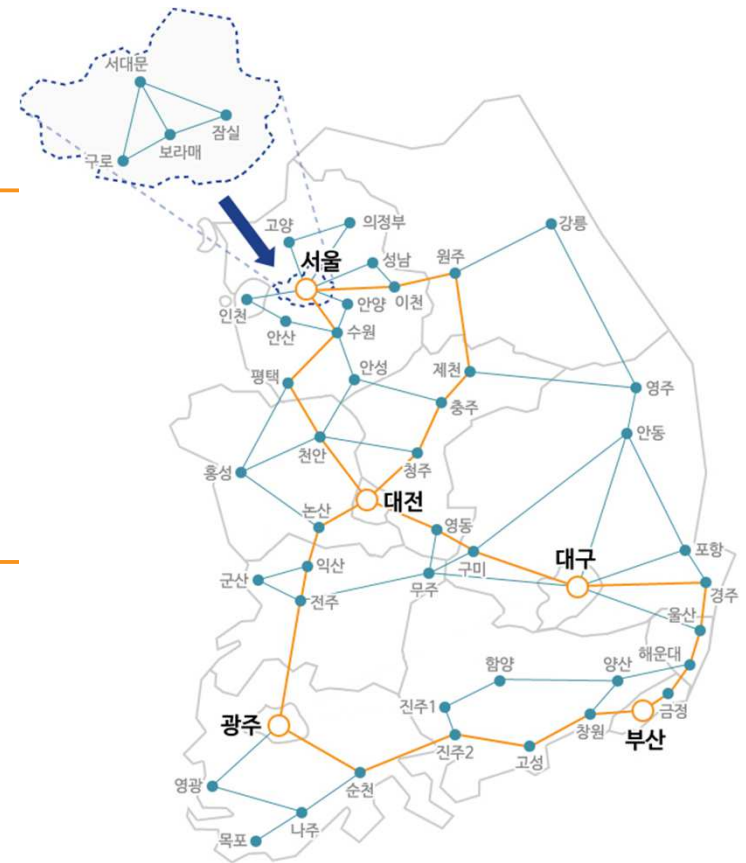
Dreamline nationwide
operational status

56 Place 24 H 365 day

Operations centers / AP

24-hour operation and
maintenance

365 days real time control



04 Key clients

Public Sector & Major enterprises



04 Key clients

Tele-communication carriers & Financial Institutions & Broadcast System Operators



04 Key clients

General Enterprises



Info

Address 7F, 8F. Dream Mark1 D/C. 61, Digital-ro 31-gil,
Guro-gu, Seoul, Repiblc of Korea

Main Phone number 1877-1817

Main FAX 02-6007-6220

Home page www.dreamline.co.kr

