DCH

PROFILE
DCH GROUP

INDEX

» INTRODUCE

» PROJECTS

» SERVICES

» COMMITMENT

DCH

INTRODUCE

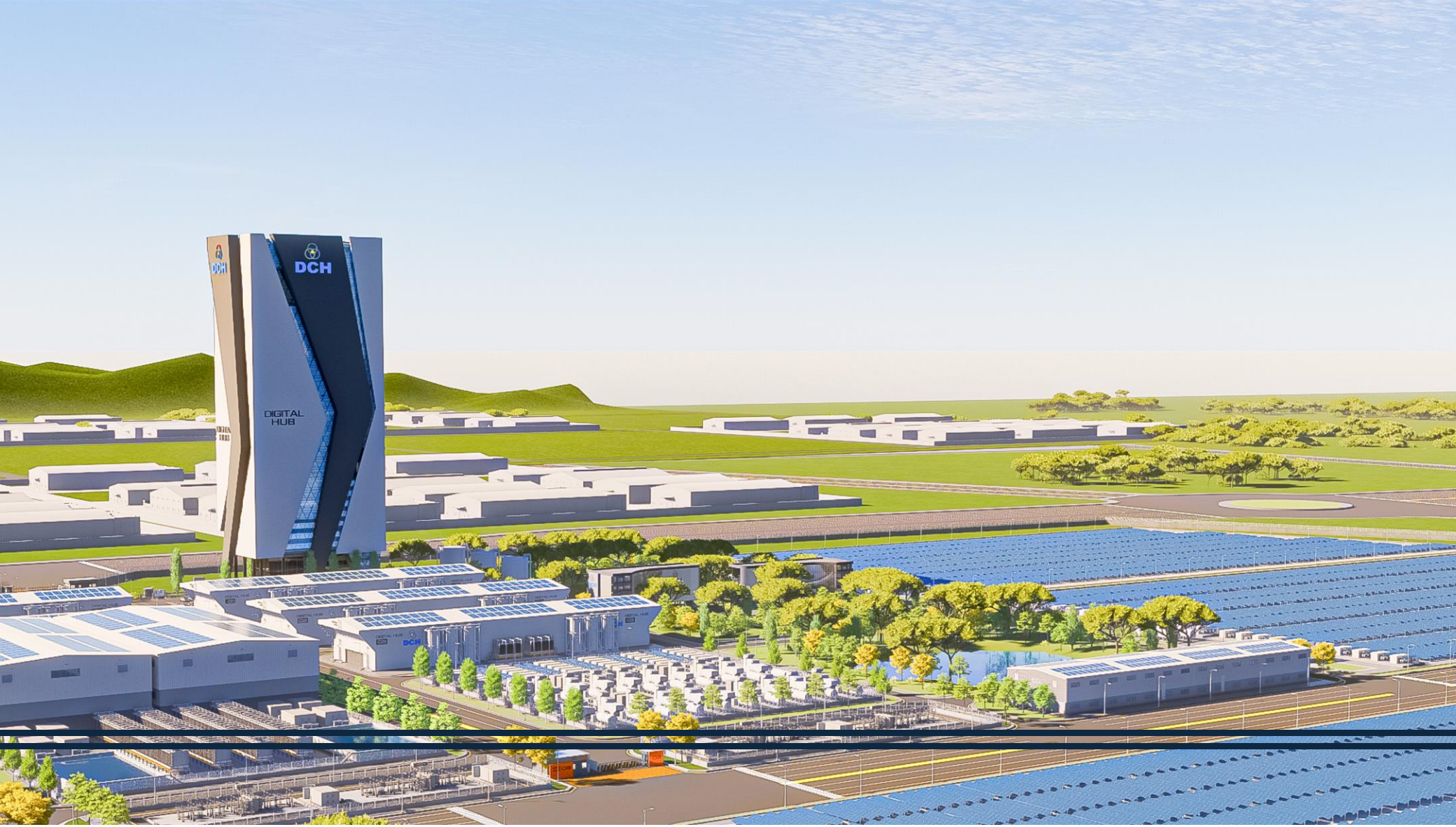
DCH Group is committed to always being a pioneer in innovation and development of technology and telecommunications solutions, promptly meeting the increasing needs of society in the digital age.

DCH Group aims to become a strategic and reliable partner of businesses in the digital transformation journey in all fields, from finance, banking, e-commerce, healthcare to education and e-government.

With a long-term vision**, DCH Group** not only focuses on developing technology solutions but also invests in advanced telecommunications infrastructure: high-speed fiber optic infrastructure and international standard data centers, ensuring fast, stable and safe connectivity for all economic and social activities.

We believe that, with continuous innovation and a comprehensive development strategy, **DCH Group** will contribute to building a smart digital society, a prosperous digital economy and a superior connected future for Vietnam.

DCH GROUP – NEW EXPERIENCE OPENED



INTRODUCE

DEVELOPMENT AND FORMATION PROCESS

2025 — **Commencement of the TIA – 942 - C Rate 4 Data Center project in Ba Ria Vung Tau province invested by DCH (HK) VN.1 Joint Stock Company, a member unit of DCH Group.**

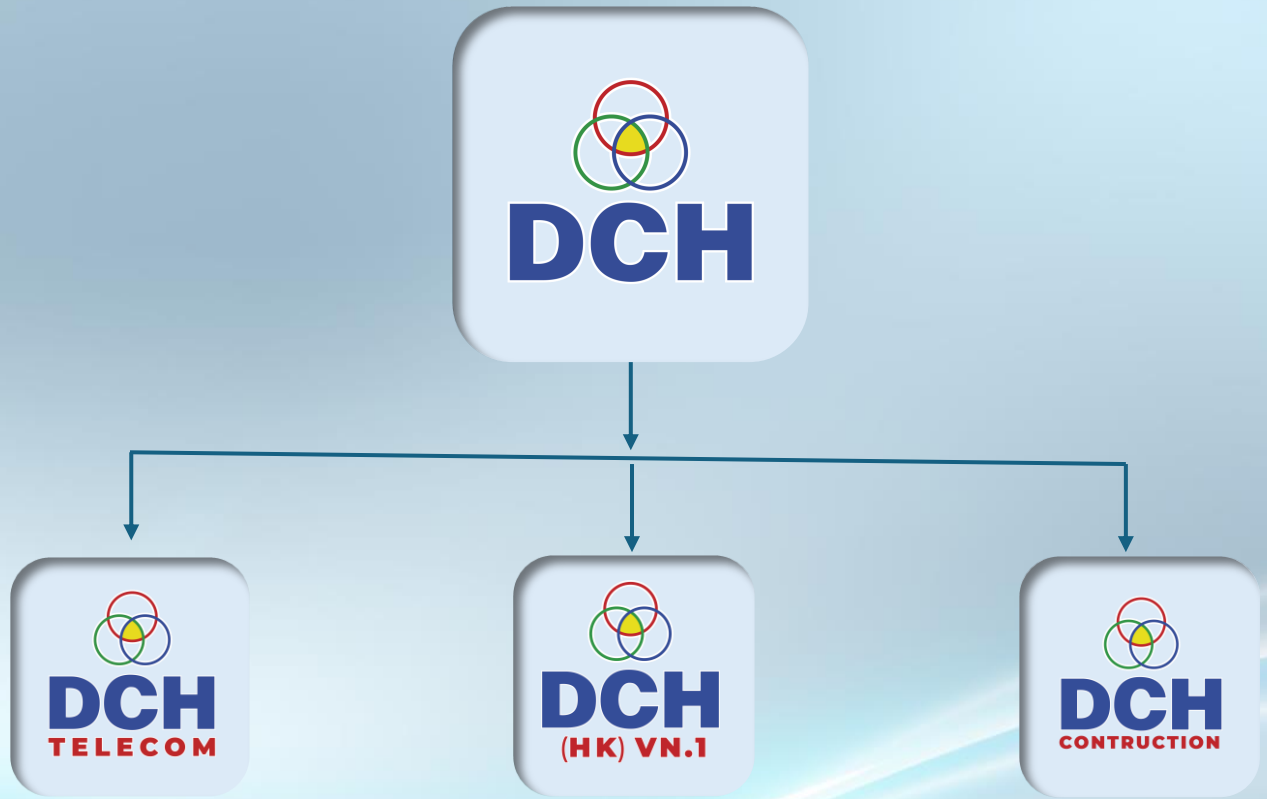
2024 — Signing Comprehensive Cooperation Contracts to implement Telecommunication Projects in Vietnam with Longboom, HTC, ACME.
Working with Ministries and Departments to complete licensing procedures for domestic and international Telecommunication Projects.

2023 — Comprehensive cooperation agreement with SPT, VTV Cab, HTV in the fields of Internet service business, television, digital content... and bringing copyrights of TV programs to Vietnam.

2022 — Establishment of DCH Company in Hong Kong. Cooperation Agreement with Financial Partners (ACME – Longboom), International Group for Construction and Operation of Data Center (WSP), Telecommunication Groups (HTC Global...)

2008 — **Establishment of a company with initial field of operation:**
Basic construction
Infrastructure construction

MEMBERS



CORE VALUES

LISTEN

CONNECT

CREATE

DEVELOP

SPREAD

CUSTOMER FOCUSED

DEVELOPMENT GOALS

Leading expert in developing and building telecommunications and technology solutions for domestic and foreign enterprises.

Ensure the continuous availability of robust and comprehensive security systems for customer data and other telecommunications services.

With a commitment to bring superior value - enhance customer experience - bring absolute satisfaction in every service experience.

COMPETITIVE ADVANTAGES

PROVIDING A WHOLE ECOSYSTEM

DIVERSE ECOSYSTEM FROM INFRASTRUCTURE CONSTRUCTION – TELECOM SERVICE PROVISION – RESEARCH – LEARNING – SERVICE DEVELOPMENT

MEET ALL CUSTOMER NEEDS

MEET ALL NEEDS OF DOMESTIC AND INTERNATIONAL CUSTOMERS. COMPANIES – GROUPS – INTERNATIONAL FINANCIAL INSTITUTIONS

LARGE SCALE COMPETITIVENESS

SUPER-SCALE PROJECTS BRING SATISFACTION AND RAISE CUSTOMER SERVICE AND EXPERIENCE TO NEW LEVELS

MODERN INFRASTRUCTURE

PROVIDING PLACES TO WORK – RESEARCH – STUDY FOR INTERNATIONAL ORGANIZATIONS WANTING TO WORK IN VIETNAM

PARTNERS

Long Boom Capital
Holding Ltd.

ACME

UOB

UBS

wsp

HGC
GLOBAL
COMMUNICATIONS
環球全域電訊

China
unicom中国联通

CISCO

NOKIA

FUJITSU

HUAWEI

ciena

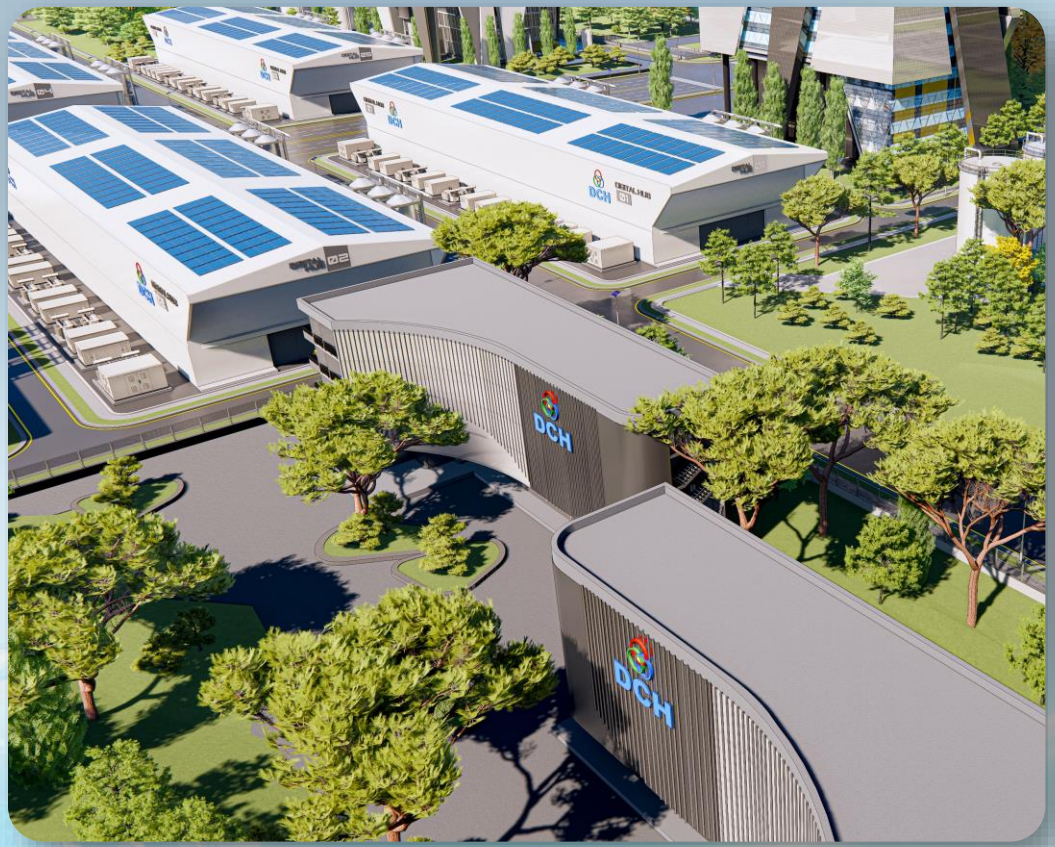
ZTE

PROJECTS

1 PROJECT

DATACENTER
DIGITAL HUB
INNOVATION & AI
APPLICATION
HO CHI MINH CITY

DCH - IDC PERSPECTIVE



DIGITAL HUB
TIA 942 STANDARD
TECHNOLOGY – C RATE 4

Data Center - Digital Hub — a new generation super data center built according to the highest international standards of performance, security and sustainability.

This project is invested and deployed with modern technologies, especially complying with TIA-942-C Rated 4 standard, aiming to create a foundation for the development of information technology services, cloud computing, and digital applications in the future.

DCH - IDC PERSPECTIVE

NAME: DIGITAL HUB
ACREAGE : 100 HA
STANDARD: TIA 492 – C RATE 4

SCALE:
- 01 OPERATION BUILDING
- 05 DATA CENTERS
- 01 MANAGEMENT CENTER
- LANGUAGE AREA ...

- 01 DORMITORY AREA
- 01 EXPERT HOUSING AREA
- FIRE PROTECTION – SECURITY – TRAFFIC AREA

The entire project is invested and implemented by DCH Joint Stock Company (HK). VN1 is a member of DCH Group.

DCH - IDC PERSPECTIVE

ADMINISTRATION BUILDING

Floor area: 30,000 m2
Function: Office, Conference - Exhibition, AI - Cloud Computing Research and Development, Disaster Recovery

DORMITORY SPECIALIST

Quantity: 01

Block: 02 x 5 floors

OPERATIONS BUILDING

Floor area: 10,000 m2
Function: workplace for Network System Operation Engineers, Electromechanical, Computer Systems, Security Control, ...

DATA CENTER DATA HALLS

Quantity: 05

System capacity: 75 MW

Power efficiency (PUE): 1.3

Rack quantity: 1,200 racks/hall.

DCH – SOLAR FARM PERSPECTIVE

Provide up to **75MW** for IT Load – operating rack equipment and related ancillary equipment of the Data Center.

The project not only brings energy benefits but also contributes to environmental protection and sustainable development.

Reduce CO2 emissions

Save operating costs

Create economic value

PERSPECTIVE OF OTHERS

WATER COOLING SYSTEM

TEMPERATURE CONTAINER

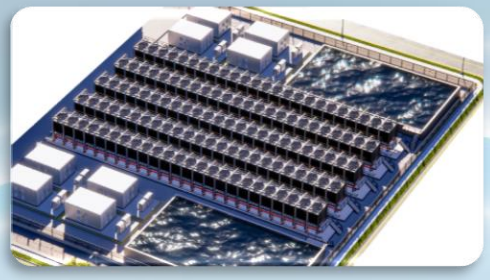
DATA HALLS

ICE TANK THERMAL STORAGE SYSTEM

BESS SYSTEM

110KV HIGH VOLTAGE SYSTEM

SATELLITE INTERNET SYSTEM



CHILLER SYSTEM

DCH – IDC STANDARDS

DCH's data center will use the most advanced technologies available today to build an ideal environment for AI development.

Using clean energy with the Solarfarm project provides up to 70% of the electricity consumed for the project, helping to reduce carbon emissions and ensure sustainable operation.

The Data Center – Digital Hub is designed with a power usage efficiency (PUE) of 1.3 at 100% efficiency.

PROJECT OVERVIEW

Total Area
100 ha

Total Investment
1.2 billion USD

Land use coefficient	3.0
Construction density	45%~55%
Load capacity	75 MW
Total Capacity	100 MW
Average power	20kW/rack
SolaFarm	8 x 9 MW
Medium Voltage Grid	2 x 110 kV
Clean energy usage factor	70%

Master Plan:

Administrative Building, Office, DC Hall, Auxiliary Infrastructure, Housing for Staff and Experts....

PROJECT PROGRESS

INFRASTRUCTURE CONSTRUCTION
PHASE 1

450 MILLION USD

BUILDING SYNCHRONOUS INFRASTRUCTURE FOR THE ENTIRE 100-HECTARE AREA, INCLUDING:

Roads

2 x 110kV Station and Power Grid.

Public power system

Drainage and fire protection system

Telecommunication cable system

Landscaping construction

Operation house and office construction

Solar Farm construction: SF01 - SF04

Implementation time: 12 months.

PROJECT PROGRESS

EQUIPMENT INSTALLATION
PHASE 2

750 MILLION USD

EQUIPMENT INSTALLATION

DC Hall Construction: 5 x 15MW.

Solar Farm Construction: SF05 – SF08

DC Standard: TIA-942-C Rate 3 / 4

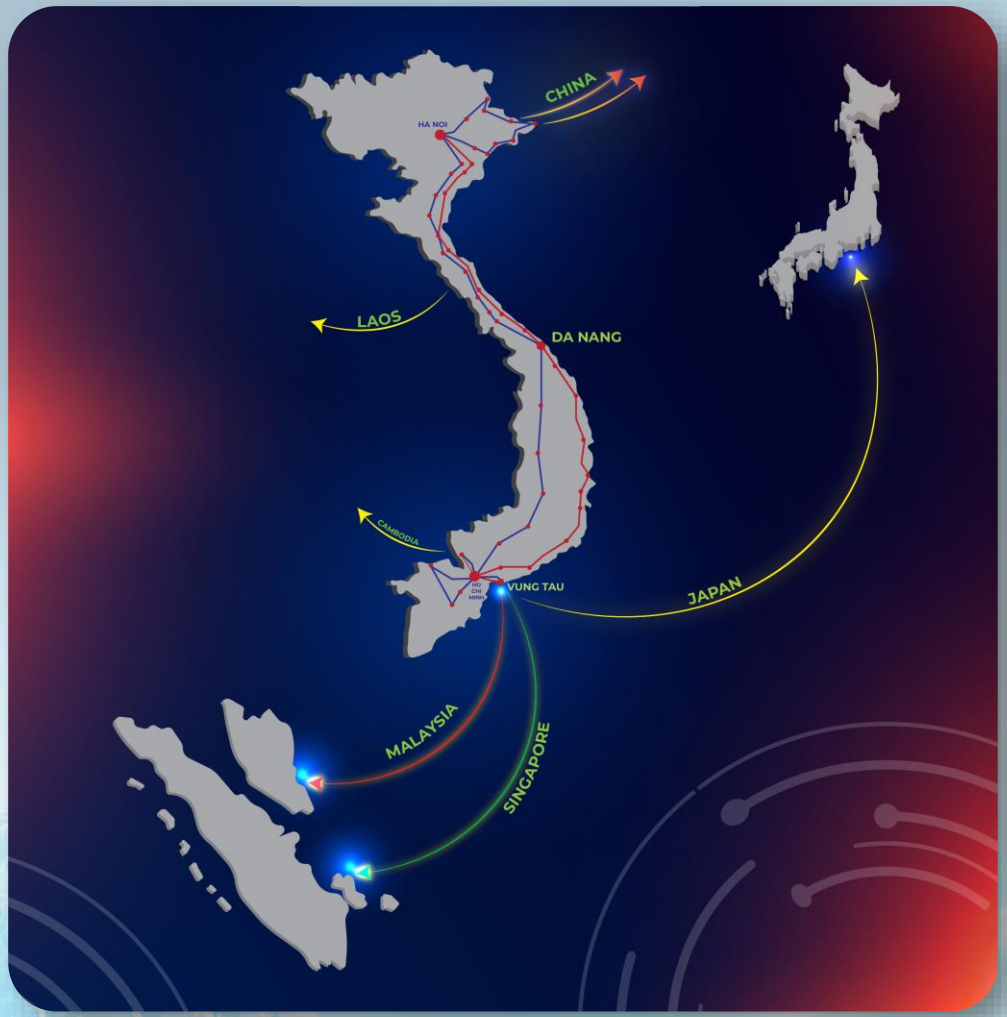
Construction of auxiliary systems for DC such as: Ice-Tank, Chiller, Entrance, Fire Protection, Security,

Training on operation and exploitation procedures.

Technology transfer.

Evaluation, audit.

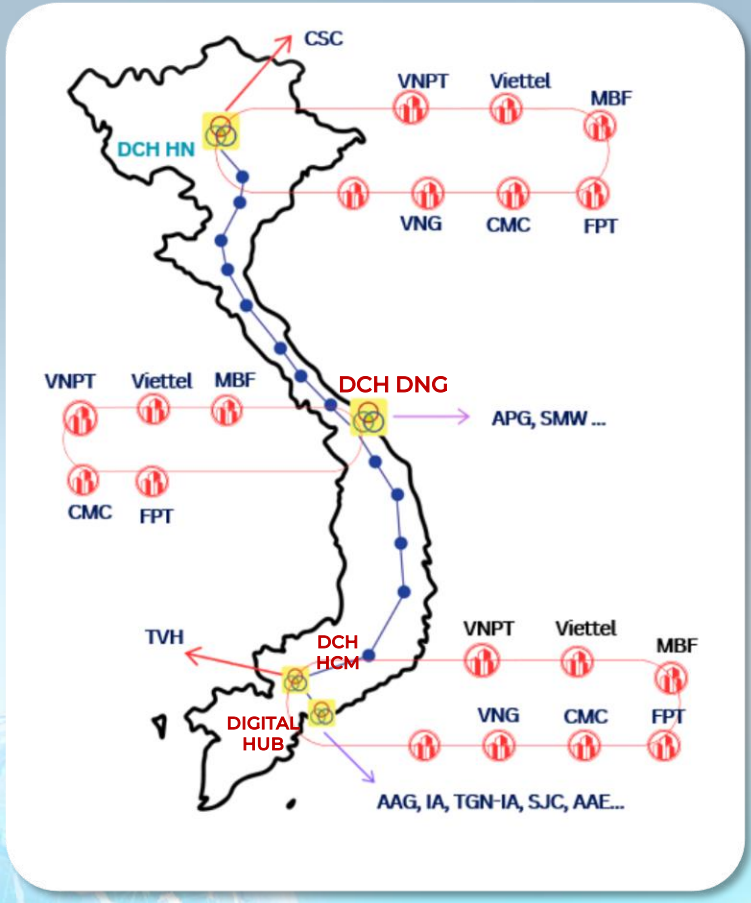
Implementation time: 18 months.



PROJECTS

INTERNATIONAL OPTICAL CABLE LINES AND NORTH-SOUTH BACKBONES

PROJECT OVERVIEW



DOMESTIC BACKBONES

- Loop connection and interconnection between DigitalHUB and other data centers in Vietnam.
- Connect to Internet and Telecommunications providers in Vietnam.
- Powerful backbone system up to 32Tbps across Vietnam with high redundancy

INTERNATIONAL CONNECTION

- High-speed international connectivity, including connections to major Hubs in Asia, the US and Europe.

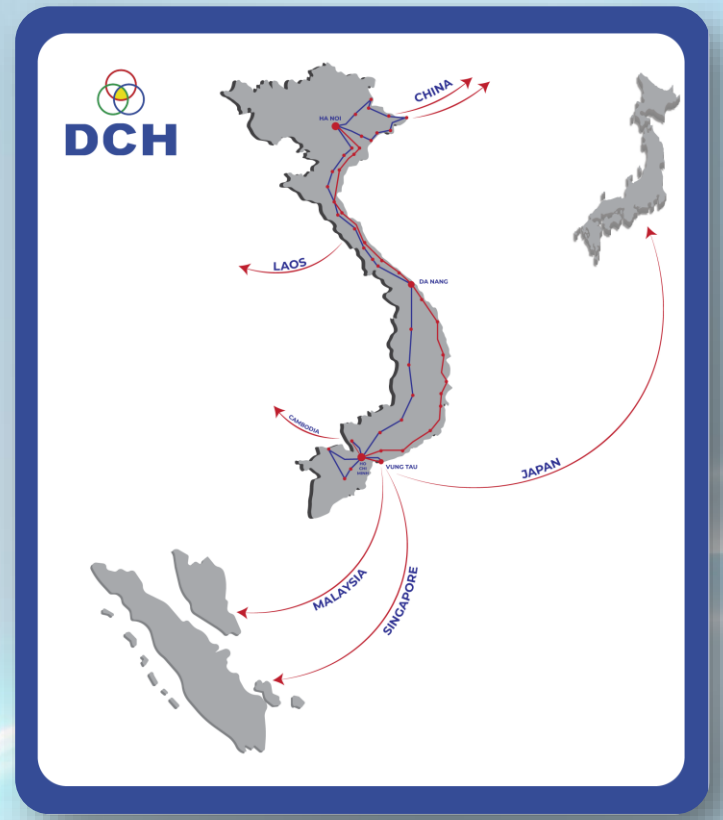
INTERNATIONAL NETWORK

DCH TELECOM Company plans to rent connection ports and connect to international Internet to Hong Kong, Singapore, Malaysia, China at the starting points of the land and sea fiber optic cable lines.

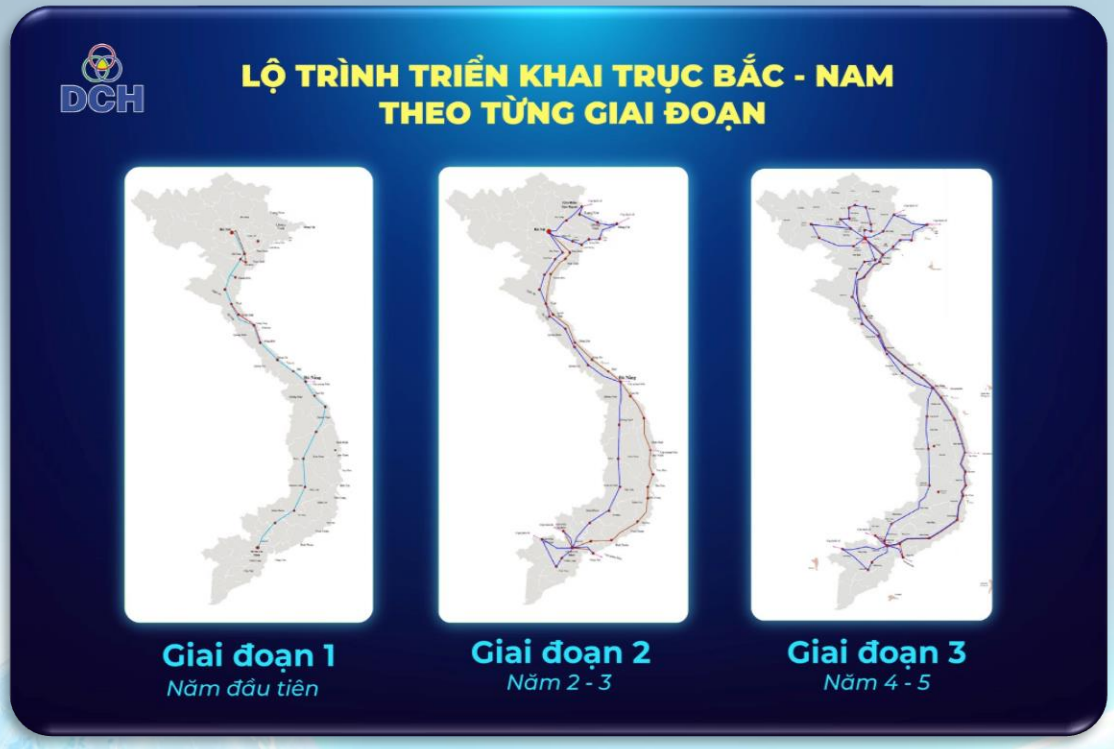
Land cable line: DCH TELECOM Company will connect the company's 2 North - South backbone lines with cable lines of domestic telecommunications companies: Viettel, VNPT, FPT ... to serve the connection and backup needs of DCH Telecom customers.

Sea fiber optic cable line: DCH TELECOM Company plans to connect 3 sea fiber optic cable lines to the landing station in Vung Tau to Singapore, Japan, Malaysia ...

In the first year, DCH TELECOM Company will rent Internet providers such as PCCW, Singtel, China Unicom ... to buy connection ports for international Internet channels with a capacity of 5 - 10 Gbps



DOMESTIC BACKBONES



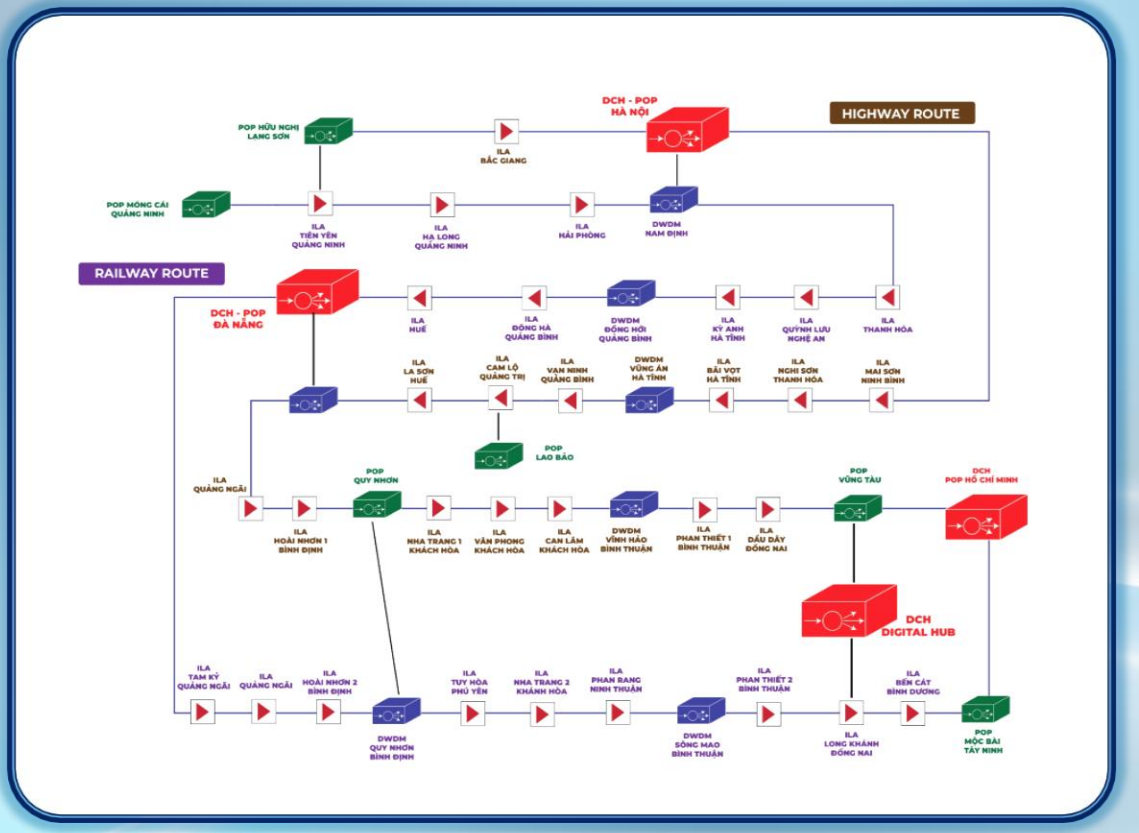
DCH TELECOM plans to construct the entire domestic transmission line and connect to international gateways as follows:

- **The Northern optical cable line to Huu Nghi Border Gate - Lang Son has a capacity of 800 Gbps.**
- **The Hanoi – Da Nang optical cable line will have a capacity of 800 Gbps.**
- **The Danang – Ho Chi Minh City fiber optic cable line will have a capacity of 800 Gbps.**
- **The Southern optical cable line to Moc Bai - Tay Ninh border gate has a capacity of 800 Gbps.**

DOSMESTIC NETWORK

DETAILED ROUTE MAP OF THE NORTH-SOUTH BACKBONES

- 01 fiber optic cable line along the North-South Vietnam national railway (1800 km)
- 01 fiber optic cable line along the North-South Vietnam highway (5600 km).
- Separate geographical routes, ring structure with 1+1+R redundancy.
- 02 submarine fiber optic cable ports, 03 terrestrial fiber optic cable ports



SURFACE OPTICAL CABLE STATION

SURFACE OPTICAL CABLE STATION ARRIVED ON SHORE PROJECT

The submarine optical cable landing station is where international optical cable lines (including submarine and terrestrial optical cables) and 2 North-South backbones are gathered.

Ba Ria Vung Tau Province

5000 m2

100 Bil VND

SERVICES

SERVICES

DATA CENTER

DATA STORAGE LOCATION RENTAL

INTERNATIONAL LEASED LINE

INTERNET LEASED LINE

ARTIFICIAL INTELLIGENCE (AI)

DOMESTIC LEASED LINE

VIRTUAL PRIVATE NETWORK

COMMITMENT

***"DCH Group** is committed to putting customers at the center of all activities and providing superior quality in each product and service.*

We always put the interests and satisfaction of customers first, constantly innovating and applying advanced technology to bring optimal solutions, meeting and exceeding all expectations.

We listen, understand the needs of customers and commit to respond quickly, professionally, bringing the best experience with a spirit of dedicated service.

In addition, DCH always operates based on the principles of transparency, responsibility and sustainability, fully complying with legal regulations and maintaining honesty in all commitments. We proactively improve and enhance quality every day, accompanying customers on the development journey and considering customer satisfaction as a measure of the group's sustainable success.

Sincerely"

CONTACT WITH US

DCH

167 – 173 Tran Hung Dao, Co Giang Ward, District 1, Ho Chi Minh City

Website: dchhk.com