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# FECON

Listen to the Earth, Conquer the Height



 [fecon.com.vn](https://fecon.com.vn)

L I S T E N T O  
T H E E A R T H  
C O N Q U E R T  
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C O N Q U E R T  
H E H E I G H T  
L I S T E N T O  
T H E E A R T H



*The most important assets of FECON are its human resources, enthusiasm and high determination for further development of the Corporation.”*

— Chairman Pham Viet Khoa

# About Us

FECON is aiming to become a prestigious contractor and project investor in compliance with international standards, possessing excellent capabilities in foundation and underground construction.



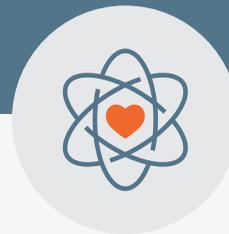
## Mission

FECON has been improving itself proactively and creatively to bring sustainable values to society through construction and project investment activities.



## Vision

FECON is striving to become the leading group in construction and infrastructure development in Vietnam in 2025.



## Core Values

- ⊙ Growth Mindset
- ⊙ Responsibility - Professionalism
- ⊙ Honesty - Integrity
- ⊙ Passion - Decisiveness
- ⊙ Consensus - Unanimity

## Financial Performance Indicators 2019

Charter Capital <b>57 mil USD</b>	Owner's Equity <b>113 mil USD</b>	Total Assets <b>270 mil USD</b>
Revenue <b>150 mil USD</b>		Profit after Tax <b>10.3 mil USD</b>

# FECON Group Structure

**FECON  
CORPORATION**

**CONSTRUCTION**

**Foundation & Soil  
Improvement**

FECON Soil  
Improvement &  
Construction JSC  
(S&C)

FECON Miltec JSC

FECON Drilling  
& Basement  
Structure JSC (FDB)

FECON Piling &  
Construction JSC  
(FPL)

FECON Piling 1 JSC  
(FCPL1)

FECON Rainbow  
Foundation  
Construction Co.,  
Ltd. (Myanmar)  
(FCR)

FECON South JSC  
(FCS)

FECON Machinery  
Supply JSC (FMS)

FECON Mining JSC.  
(FCM)

FECON Nghi Son JSC

**Underground  
Construction**

FECON  
Underground  
Construction JSC  
(FCU)

RAITO-FECON  
Innovative  
Geotechnical  
Engineering  
JSC

Eltech JSC

NC VN tunnel  
Segment  
Company

**Infrastructure  
Construction**

FECON  
Infrastructure  
& Urban  
Development JSC  
(FC I&U)

FECON –  
Trung Chinh JSC  
(Myanmar)

FECON Hai Dang  
Mineral JSC

**Building & Plant  
Construction**

# FECON CORPORATION

## PROJECT INVESTMENT

### Urban Transport Infrastructure; Urban & Industrial Zone Infrastructure

### Renewable Energy Infrastructure

FECON Infrastructure & Urban Development JSC (FCI&U)

FECON Power JSC

FCC Infrastructure Investment JSC

Vinh Hao 6 Power JSC

Transport Project Companies

Project Companies

Urban & Industrial Zone Project Companies

# Sustainable Development

**“** Since its inception to the future and beyond, FECON's motto is to benefit the country. All of our activities are aimed at the long-term goal of the country's sustainable development. **”**

— Chairman Pham Viet Khoa

At FECON, we are always determined to do kind things, learn to improve ourselves, and thereby contribute more to society. Over the years, FECON has adhered to this determination consistently and innovatively.

## Constantly researching and prioritizing science & technology

With a desire to contribute to the sustainable development of the country's economy, FECON constantly develops science and technology throughout the Corporate system. Our "Innovation Initiatives" movement is widely welcomed by our employees and staff every year. The movement has been launched since 2011; over nine years, we have received thousands of

initiatives and more than 600 of which have been applied in actual production.

FECON also holds our own Construction Technology Conferences twice a year. At these conferences, FECON engineers have the opportunity to share their knowledge, technology, experience as well as their passion for scientific research.

In addition to the successful application of new technologies, FECON also bridges the gap in the



geotechnical industry between Vietnam and developed countries through the acknowledged organization of the GEOTEC Hanoi International Conferences in 2011, 2013, 2016 and 2019. At these events, domestic and international scientists have the chance to connect, exchange and learn from each other, and jointly exploit the application of worldwide scientific achievements for further development. Thanks to international conferences like GEOTEC Hanoi, new technologies related to the design of foundation construction, underground works, landslide prevention, and infrastructure, in general, have been continually transferred to Vietnam.

## Human-centric management and building corporate culture are central



In its sustainable development strategy, FECON puts people at the center. In the past years, human development and community outreach activities have always been our priority. The FECON Manpower Center was established to empower FECONers based on the company's core values, to build and develop a strong corporate culture environment where employees share their passion and contribute to society.

To develop corporate culture, sport and entertainment activities are always the focal points to attract thousands of employees' participation. Alongside this, we also organize annual community and charitable activities such as building schools in highlands area, gratitude activities, volunteer journeys, awarding scholarships to underprivileged students, as well as accompanying the government and ministries in finding the optimal solutions to prevent landslides and flash floods, etc.

## Environmental protection is an investment for sustainable development

FECON also pays close attention to environmental protection in its sustainable development journey. We always select our manufacturing and construction technologies carefully before implementation to ensure that they are safe and environment-friendly.

Regarding project investment, Vietnam is a Southeast Asian country with great potential for clean energy, especially solar and wind energy. In this context, FECON has been focusing its investment in energy infrastructure and clean energy with an aim to become Vietnam's leading enterprise in infrastructure development.

By cooperating with major energy corporations in the world and investing in solar and wind power projects, clean energy is no longer a distant dream for FECON people to make a small contribution towards the stability of Vietnam's energy security in the future.

## Sustainable governance

One of the important factors in determining the long-term development of the company is its system and management ability. FECON always upholds the task of building a comprehensive, professional and transparent management system. Maximizing the enthusiasm and responsibility of leaders and managers across the Corporation is the most essential goal of FECON management system. Besides, management software such as ERP, Office 365, CRM and BIM have helped improve the efficiency of FECON's business management.

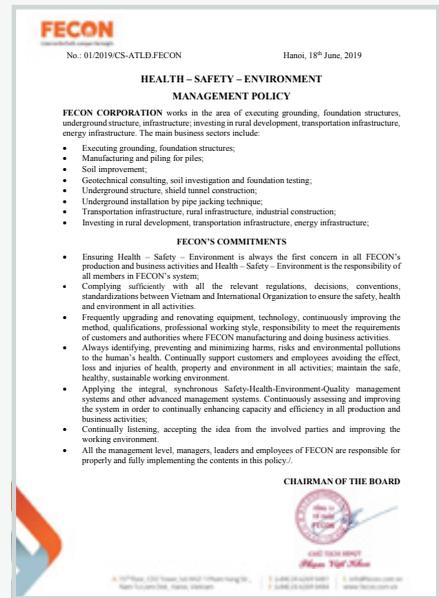


# Human Resources



# Safety & Quality Policy

FECON is committed to executing projects while ensuring safety, quality, and satisfying customer needs in compliance with international standards and company policies.



1	2
3	4

Pic 1. Quality Policy 01/2019/CS-ISO FECON

Pic 2. Health - Safely - Environment Management Policy 01/2019/CS-ATLD FECON

Pic 3. Certificate of Resgitation FS 703740

Pic 4. Certificate of Resgitation OHS 703741



# Milestones

- Founded on 18/6/2004
- Started up with projects of Big C, Melinh Plaza and Metro 2 Supermarket
- Joined in projects of foreign investors, mainly from Japan

- Applied new technology for spun pile manufacturing in 1<sup>st</sup> FECON Pile Ha Nam Factory
- Applied new technology for silent pile pressing by robot
- ♀ 1 subsidiary, 400 people

- Applied new technology in soft soil improvement – vacuum consolidation method
- Successfully organized 1<sup>st</sup> conference GEOTEC Hanoi and periodically held in 2013, 2016, 2019
- ♀ 2 subsidiaries, 700 people

2004 – 2006

2007 – 2008

2009 – 2011

- Established FECON Nghi Son, FCI, and FCU
- Listed on the Stock Exchange HCM. Ticker: FCN
- The 1<sup>st</sup> investment project National Highway No.1, Phu Ly bypass section (BOT)
- 6 subsidiaries, 1,300 people

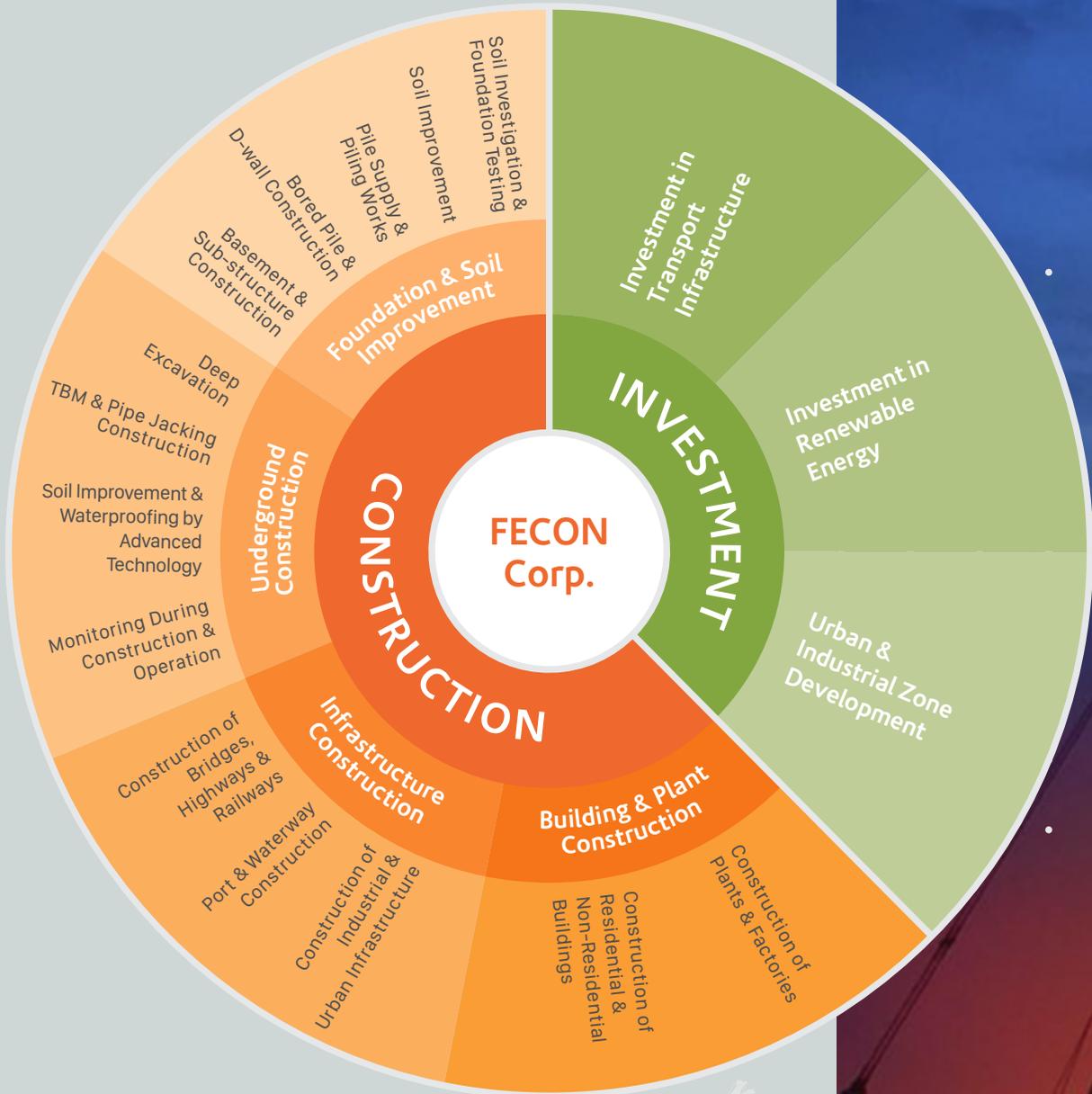
- Renamed to FECON Corporation
- Established FECON Rainbow (Myanmar), RAITO-FECON, and FCS
- The 1<sup>st</sup> Vietnamese company completing the transfer of the stake of a BOT project - Phu Ly BOT project for foreign investors (NEXCO, JEXWAY from Japan)
- The 1<sup>st</sup> Vietnamese contractor to operate TBM at Metro Line 1 HCMC
- 9 subsidiaries, 1,800 people

- Started the construction and investment of Vinh Hao 6 solar power plant
- Launched new business strategy of 5 main dimensions
- Established FCPL1, FDB, FECON Trung Chinh (Myanmar), FCP, and FMS
- Divestment from Ha Nam pile manufacturing factory
- 12 subsidiaries, 1,500 people

2012 – 2014

2015 – 2017

2018 – 2020



## Scope of Activities



# CONSTRUCTION

Every architectural structure starts from its foundation. Based on the view of sustainable development and excellent capacity in the foundation, underground construction, and structural engineering, FECON is continually developing to become a general contractor in projects of urban infrastructure, transportation infrastructure and industrial & civil construction.

- 
- ① **Foundation & Soil Improvement**
  - ② **Underground Construction**
  - ③ **Infrastructure Construction**
  - ④ **Building & Plant Construction**

# Foundation & Soil Improvement

## CONSTRUCTION

- Soil Investigation & Foundation Testing*
- Soil Improvement*
- Pile Supply & Piling Works*
- Bored Pile & D-Wall Construction*
- Basement & Sub-structure Construction*

Foundation engineering is the traditional business of FECON, a recognized top rank in Vietnam's market. FECON has systematically invested in R&D activities and application of advanced technology in foundation engineering to provide customers with comprehensive, optimal technical and economical solutions for their foundations of construction works.



**Cao Lanh Bridge** - O-Cell load test for bored pile with diameter of 2500mm



**Van Phong Thermal Power Plant** - Test of seismic in bored hole, SPT, laboratory tests



**Duyen Hai No.3 Thermal Power Plan Extension** - Geotechnical investigation, on-site tests, laboratory test and survey

# Soil Investigation & Foundation Testing

CONSTRUCTION → FOUNDATION & SOIL IMPROVEMENT

Soil investigation and Foundation testing are the strengths of FECON and key parts of the overall solution package of foundation and underground construction that FECON is committed to providing its customers.

- Geotechnical Investigation
- Foundation Monitoring
- In Situ Field Testing
- Laboratory Testing

# Soil Improvement

CONSTRUCTION → FOUNDATION & SOIL IMPROVEMENT



FECON sets itself apart from competitors by offering optimal and comprehensive solutions in the field of soft soil improvement, from the investigation, testing, designing, PVD manufacturing to executing and monitoring during construction and maintenance of the project.

For the design and soft soil improvement, FECON has successfully applied traditional methods such as sand compaction, mixed-in-place cement column, PVD installation, and vacuum consolidation method. Especially, since 2007, FECON has pioneered the application of new methods in Vietnam, such as dynamic compaction, Jet grouting, Shaft grouting, vacuum consolidation, etc.

To serve soil improvement, our FECON Miltec factory in Long An province manufactures high quality pre-fabricated vertical drains (PVD) with a capacity of 4,000,000m/month.



*Thilawa Port (Myanmar) expansion - Soil improvement in PVD method*





Hoa Phat (Dung Quat) Steel Factory - Vibro compaction and vibro replacement



LG Display Vietnam Hai Phong - Soil improvement by PVD installation & DCM method: 50,234m

3

4

Pic. 3 + 4. Thai Binh 1 Thermal Power Plant  
Soil improvement work by PVD installation  
combined with vacuum pre-loading method





*Long Son Oil Refinery Plant (Ba Ria, Vung Tau) - Soil improvement by PVD installation and Vacuum Pre-loading method, Dynamic Compaction*



◀ *Flat PV Glass Factory  
Supply and PVD installation,  
Sand Pre-loading*

# Pile Supply & Piling Works

CONSTRUCTION → FOUNDATION & SOIL IMPROVEMENT



*Hoiana Hotel & Casino Complex - Supply & installation of PHC pile D350, D500; Pre-boring works*

FECON has a team of experienced and professionally trained engineers, applying advanced technologies in manufacturing and piling works. FECON is one of the few enterprises that has early researched and invested in the production line of prestressed concrete spun piles with the largest diameter in the Northern Vietnam by applying Japanese technology and standards since 2008. In particular, our signature FECON Pile prestressed concrete spun piles are manufactured at two FECON factories in Ha Nam and Thanh Hoa provinces.

By prestige and quality, FECON has supplied and constructed various types of piles with different diameters in many big projects including LG Hai Phong factory, Samsung Electronics factories (Bac Ninh, Thai Nguyen, Ho Chi Minh City), Thai Binh Thermal Power Plant 1, Thai Binh Thermal Power Plant 2, and Nghi Son Oil Refinery.



FECON Pile Factory in Nghi Son (Thanh Hoa)



FECON Pile Factory in Ha Nam



# Bored Pile & D-Wall Construction

CONSTRUCTION → FOUNDATION & SOIL IMPROVEMENT



In addition to applying advanced technology in the construction of diesel hammer, hydraulic pressing machine, pre-boring method, FECON is also the leading contractor in the field of bored piles and D-wall with a variety of diameters and thicknesses. Owing modern and advanced construction equipment, suitable for all construction spaces, the quality of construction made by FECON always meets the most rigorous requirements.

In particular, FECON has successfully completed the work of the D-wall at the Metro Line 3 project (Hanoi) which applied the technology of glass fiber reinforced polymer for the first time in Vietnam.

1	2
	3

Pic. 1 + 2. *My Dinh Pearl*  
Bored pile construction

Pic. 3. *Metro Line 3 Hanoi*  
D-wall construction

# Basement & Sub-structure Construction

CONSTRUCTION → FOUNDATION & SOIL IMPROVEMENT



In its journey to "listen to the Earth", along with the advantage in the construction of bored piles and D-wall, FECON is currently developing the basement and sub-structure construction for skyscrapers in civil and industrial construction.

By implementing popular technologies (bottom-up, semi top-down, top-down), suitable solutions for complex underground terrains, along with a professional supplier system, FECON has completed different projects of high quality, safety, and efficiency.

1	2
3	4

Pic. 1 + 3. *Lotte Mall (Hanoi)*  
Earth works

Pic. 2 + 4. *Empire City (HCMC)*  
Concrete structure of basement

# Underground Construction

## CONSTRUCTION

- ✓ *Deep Excavation*
- ✓ *TBM & Pipe Jacking Construction*
- ✓ *Soil Improvement & Waterproofing by Advanced Technology*
- ✓ *Monitoring During Construction & Operation*

Urban underground construction is the field that FECON is leading and occupying in Vietnam's market. By applying cutting-edge technologies to underground construction works, FECON carries out works related to monitoring deep excavation in soft ground, high-pressure jet grouting, construction of retaining wall system, TBM, pipe jacking, and deep excavation.

Not only implementing highly demanding constructions such as metro, but FECON also participates in urban utility projects like drainage systems, underground parking lots, undergroundization of fiber-optic cables and other underground spaces...

# Deep Excavation

CONSTRUCTION → UNDERGROUND CONSTRUCTION



Deep excavation is the construction method that FECON is applying to many underground projects such as basements of water treatment plants, underground tanks of industrial zones, technical wells, etc. Because all geological data and water table levels vary from location to location, every deep excavation project is unique. To handle such a large number of input parameters, FECON resources with expertise and experience have offered optimal technical solutions in terms of economics, techniques, and progress.

# TBM & Pipe Jacking Construction

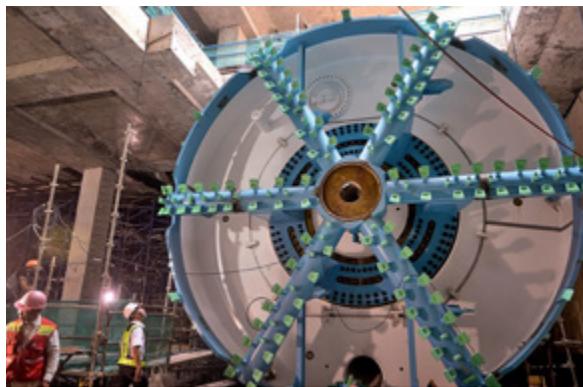
CONSTRUCTION → UNDERGROUND CONSTRUCTION

FECON became the first Vietnamese contractor involved in operating the TBM robot under the guidance and direct instruction of Japanese experts at the Ho Chi Minh City Urban Railway project No.1 (Metro Line 1). This package has opened up more opportunities for FECON to approach the world's most advanced technology in tunneling with complicated geological and groundwater conditions in the city.

Pipe Jacking technology has been applied by FECON in Package G "Construction of Interceptor Sewer System" under the Ho Chi Minh City Water Environment Improvement Project – Phase 1 in Tau Hu -Ben Nghe - Doi Te canal basin with technical support from Japanese experts.



▶  
HCMC Water environment  
improvement (Package G)  
Pipe jacking construction



1	2
	3

Pic. 1+2+3. Metro Line 1 (HCMC)  
TBM construction

# Soil Improvement & Waterproofing by Advanced Technology

CONSTRUCTION → UNDERGROUND CONSTRUCTION



Soil improvement and waterproofing are among the most important areas in underground construction that ensure quality and lengthen the project life. Currently, FECON is applying numerous methods of soil improvement and waterproofing in underground works such as:

— Jet Grouting

— Tam Grouting

— Chemical Grouting

— CDM

FECON has become the first Vietnamese contractor to successfully apply the three-phase Jet Grouting technology with large diameters to execute CDM piles up to 3,5m in diameter at Metro Line 1 project (Ho Chi Minh City).

1

2

Pic. 1 + 2. *Metro Line 1 (HCMC)*  
Ground Treatment Works  
(Jet grouting)

# Monitoring During Construction & Operation

CONSTRUCTION → UNDERGROUND CONSTRUCTION



In underground construction, monitoring and soil investigation plays a very important role. By integrating our advantages in geotechnical monitoring, FECON has applied the most advanced technology to underground works to ensure accuracy, prevent risks and extend the life of our works.

# Infrastructure Construction

CONSTRUCTION

- Construction of  
Bridges, Highways &  
Railways*
- Port & Waterway  
Construction*
- Construction of  
Industrial & Urban  
Infrastructure*

Intending to become a leading construction and infrastructure development corporation in Vietnam, FECON has combined its existing experiences and capabilities with newly established resources to develop these areas of infrastructure construction: transport infrastructure, irrigation infrastructure, and urban infrastructure.

# Construction of Bridges, Highways & Railways

CONSTRUCTION → INFRASTRUCTURE CONSTRUCTION

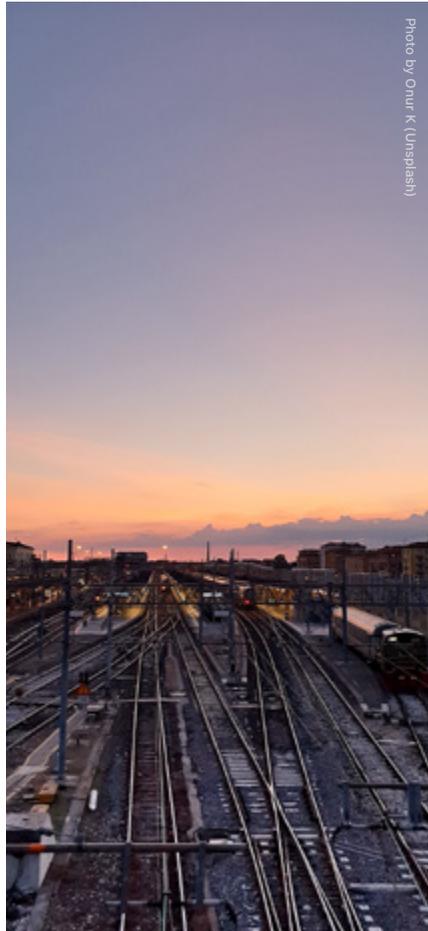
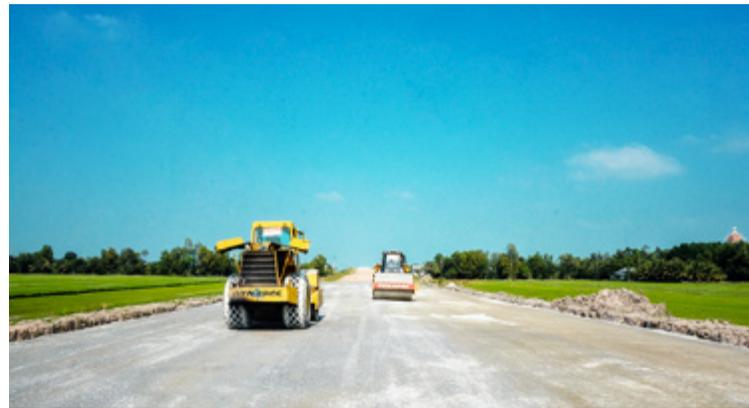


Photo by Onur K (Unsplash)



Highway No.1 Phu Ly Bypass section - Asphalt recycling and surface strengthening



Lo Te – Rach Soi - Embankment construction

FECON provides solutions, complete designs, equipment procurement and construction of bridges, highways, and roads to create safe and reliable road works, including:

- Soft Soil Treatment & Embankment Construction
- Base and Subbase Construction
- Asphalt Concrete Construction

# Port & Waterway Construction

CONSTRUCTION → INFRASTRUCTURE CONSTRUCTION



Continuing from the achievements of foundation construction, underground construction, and structural works, FECON expanded its business activities to the field of port and waterway construction with the following work items:

— Construction of River Ports & Seaports.

— Construction of River Estuary Correction Works.

— Construction of Embankments to Protect River Banks & Beaches.

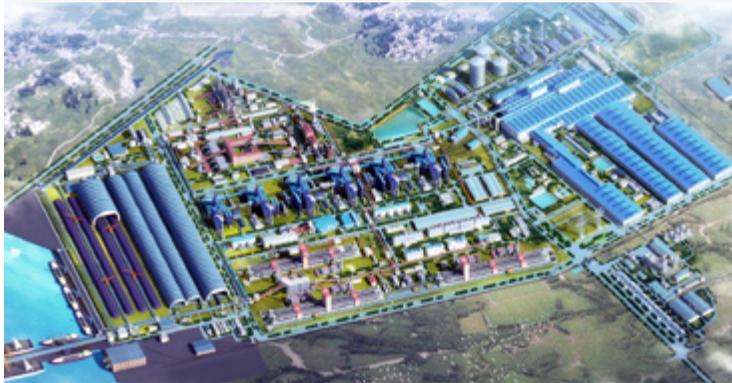
— Construction Embellishment, Protection of Beaches & Islands.

— Construction of Sand Dikes & Breakwaters.

— Construction of Hydraulic Works in a Shipyard.

# Construction of Industrial & Urban Infrastructure

CONSTRUCTION → INFRASTRUCTURE CONSTRUCTION



Along with the development of Vietnam, industrial parks and urban areas have sprung up to meet the increasing demand and create great added values for society. Grasping that demand, FECON provides solutions and construction of infrastructure items for industrial and urban areas including:

- Road Construction
- Concrete Ditch & Culvert Construction
- Water Supply & Drainage system
- Wastewater Treatment System
- Lighting System
- Landscape Construction

1	2
3	4

**Pic. 1 + 2. Duong Noi New Urban**  
Construction of technical infrastructure, ground level, roads, water supply, lighting.

**Pic. 3 + 4. Hoa Phat Steel Complex (Dung Quat)**  
Construction of technical infrastructure (Gate Road + Parking lot + Sidewalks + drainage).

# Building & Plant Construction

CONSTRUCTION

- Construction of Residential & Non-Residential Buildings*
- Construction of Plants & Factories*

With experience and excellent expertise in the fields of foundation and underground construction, FECON has created an outstanding competitive advantage when expanding from a specialized contractor to a general contractor. FECON provides comprehensive solutions from design, equipment procurement to the construction of civil and industrial construction works.

# Construction of Residential & Non-Residential Buildings

CONSTRUCTION → BUILDING & PLANT CONSTRUCTION



*Phenikaa University - General contractor of structure construction, finishing work, M&A*



*The Manor Central Park - Foundation and basement works*



*Empire City - Concrete structure of basement*



*Wellspring School - General contractor for structure, finishing & M&E works*

FECOM provides civil construction services for the development of cities as well as improvement in the lives of all families, such as houses, schools, hospitals, offices, hotels, etc.

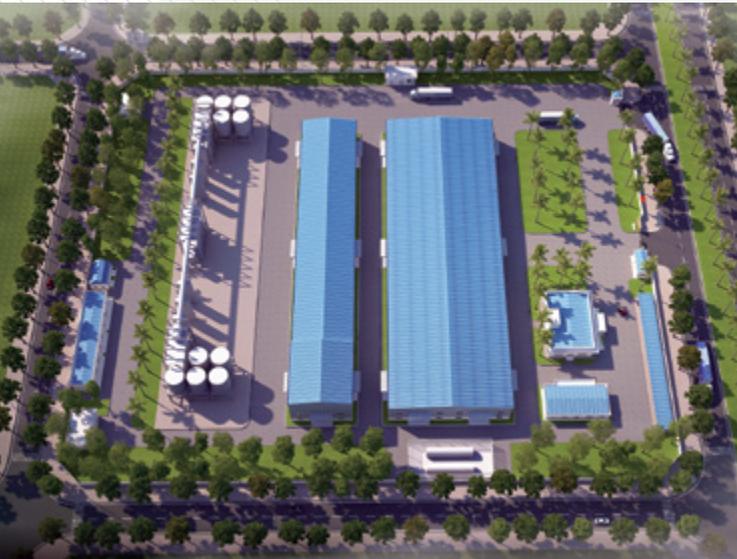


Long Phu 1 Thermal Power Plant - Main contractor for foundation of chimney structure

# Construction of Plants & Factories

CONSTRUCTION → BUILDING & PLANT CONSTRUCTION

FECON has made a mark in the construction of industrial items such as steel structures, foundations, M&E, etc., for a series of FDI and national key projects such as thermal power plants, industrial parks, manufacturing complexes, etc.



1	2
3	4

**Pic. 1 & 2. Logistic Thang Long (Hung Yen)**  
 General contractor for foundation, super structure, finishing and M&E works

**Pic. 3 & 4. Cristobalite material production factory**  
 General contractor for reinforced concrete work and steel structures

# PROJECT INVESTMENT

With its developmental goal to become a leading group in construction and infrastructure development in Vietnam basing on the model of sustainable development and excellent capacity in foundation and structural engineering, FECON has stepped into the project investment market, ranging from solar and wind energy projects to eco-cities, industrial parks with smart utilities and infrastructure.

FECON commits that its investment projects contribute to the sustainable infrastructure development of Vietnam. All FECON investment options take advantage of capacity in foundation, underground and infrastructure construction; as well as the results of calculation of investment efficiency, capital recoverability, and the ability to arrange cash flows of FECON & partners.

- 
- ① Investment in Transport Infrastructure
  - ② Investment in Renewable Energy Infrastructure
  - ③ Urban & Industrial Zone Development

# Investment in Transport Infrastructure

## INVESTMENT



Seizing and anticipating investment opportunities in transport infrastructure field, FECON has actively expanded its business scope to investment in transport infrastructure projects in the forms of BOT, BT, etc., including investments in building arterial roads, national toll plazas, roads, bridges, railways, etc., to solve traffic congestion, develop infrastructure towards urbanization as well as improve socio-economic conditions where projects are located.

— Roads & Highways

— Bridges

— Railways

— Ports

## Some projects under development

- ✿ Construction and investment project of Upgrading and expanding provincial road No.9 Cu Chi Dist – HCMC (Total investment: 81 million USD)
- ✿ Construction and investment project of North-South expressway in Cam Lam - Vinh Hao section (Total investment: 662 million USD)
- ✿ Construction and investment project of Bien Hoa - Vung Tau Expressway (Total investment: 940 million USD)
- ✿ Construction and investment project of Urban railway Line 2.3 in South Thang Long - Noi Bai section (Total investment: 3,509 million USD)

1 2 3

Pic. 1. Highway No.1 - Phu Ly City bypass section (BOT contract)

The BOT contract of Highway No.1 - Phu Ly City bypass section started in 2014 and came into operation in 2016. This is the first and only transport BOT project in Vietnam that attracted the participation of foreign investors (Nexco and Jexway - two leading developers of expressways in Japan)

Pic. 2. North-South expressway in Cam Lam - Vinh Hao section

Pic. 3. Bien Hoa - Vung Tau Expressway



Photo by Abby Anaday (Unsplash)

# Investment in Renewable Energy Infrastructure

## INVESTMENT

FECON invests in the field of energy infrastructure construction, which focuses on renewable energy sources, to protect the environment and contribute to ensuring national energy security.

- Solar Power
- Wind Power
- Hydroelectricity
- Developing the LNG Combined Cycle Power Project





## Some projects under development

- 🌀 Vinh Hao 6.2 Solar project (Total investment: 124 million USD)
- 🌀 Binh Phuoc 1, 2 Solar project (Total investment: 151 million USD)
- 🌀 Gia Lai Wind power project (Total investment: 176 million USD)
- 🌀 Soc Trang Wind power project (Total investment: 50 million USD)

### ▲ Pic. Vinh Hao 6 Solar Power Plant

Vinh Hao 6 Solar Power Plant which officially came into commercial operation on June 18, 2019, with total investment of 53 million USD and Acwa Power partner, is FECON's first energy investment project to implement the parallel deployment strategy in both investment and construction.

# Urban & Industrial Zone Development

## INVESTMENT

FECON desires to contribute to urban development in Vietnam, by researching and expanding investment into the field with experienced partners in the world to contribute to enhancing Vietnam's urbanization rate from over 30% to about 50% in the 2030s.

— Ecological city zone

— Green industrial park



My Hao Garden City



Photo by Jasmina Seidl (Unsplash)

## Some urban projects under development

- 🌀 **Viet Hung Urban Area** (Area: 5.9ha / Total investment: 16 million USD)
- 🌀 **Nhu Quynh Urban Area** (Area: 37.09ha / Total investment of phase 1: 65 million USD)
- 🌀 **My Hao Garden City** (Area: 325ha / Total investment: 590 million USD)
- 🌀 **Sa Dec trade, service center combined housing area** (Area: 37.09ha / Total investment of phase 1: 65 million USD)



Photo by Arul (Pexels)

## Some industrial projects under development

- 🌀 **Thao Dao – Lao Ho Industrial Park** (Area: 190 ha/Total investment: 88 million USD)
- 🌀 **Chan Hung Industrial Park** (Area: 129 ha/ Total investment: 52 million USD)
- 🌀 **Yen Phong 2 Industrial Park** (Area: 655 ha/ Total investment: 272 million USD)

# SUPPORTING BUSINESSES

To enhance its core business, FECON also operates in supporting business areas such as:

- 
- ① Machinery Supply
  - ② Mining & Construction Material Supply
  - ③ Human Resource Supply

# Machinery Supply

SUPPORTING BUSINESS



FECON has been cooperating with multiple manufacturers and providers of heavy construction equipment such as Kanamoto Co., Ltd (Japan) and Hassyu Vietnam., JSC (Vietnam) to sell and rent construction equipment in Vietnam.



# Mining & Construction Material Supply

SUPPORTING BUSINESS

FECON invests in and exploits high-quality quarries in Ha Nam, Nghe An, and Thanh Hoa provinces as well as sand mines in Hanoi and Thanh Hoa province to control raw material source for the manufacture of PC/PHC piles and to supply for large projects.

# Human Resource Supply

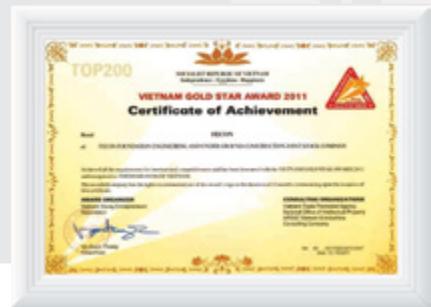
SUPPORTING BUSINESS

With a team of skillful experts, technicians, and workers who have a deep understanding of Vietnam's geological conditions, FECON is available to supply highly-qualified human resources for foreign contractors in Vietnam and the world.



122<sup>nd</sup> AIT Graduation Ceremony  
17 December 2014

# Awards



# Outstanding Projects

NO.	PROJECT	SCOPE OF WORK	CONTRACTED PARTNERS	AMOUNT OF WORKS (VND)	PERIOD
<b>I FOUNDATION PROJECTS</b>					
1	Hoa Phat Dung Quat Steel Factory	Supply and installation of PHC pile and pre-boring work, bored pile	Hoa Phat Dung Quat Steel JSC	1,000 bil	2017
2	Long Son Prochemicals Complex	Soil investigation and topographical surveying works; Bored piles for test piling, Earth works	Posco, Hyun Dai E&C	250 bil	2018
3	Nghi Son 1,2 Thermal Power Plant	Soil investigation; supply and installation of PHC, soil improvement	Doosan	516 bil	2011-2019
4	Long Phu 1 Thermal Power Plant	Supply & installation of PHC pile, Supply of RC pile 500x500, Soil improvement work by PVD installation combined with vacuum pre-loading method	PetroVietnam Technical Services Corporation (PTSC)	1,500 bil	2011, 2016-2018
5	Samsung Vietnam	Supply and installation of PC, RC 350, bored pile D1000 & D1500	Posco E&C	800 bil	2014
6	FORMOSA Steel Mill Factory	Supply and installation of PHC Pile D400, D500, D600; bored pile D1000	Hung Nghiep Steel Co., Ltd	400 bil	2011-2014
7	LG Display Vietnam Hai Phong	Supply and installation of PHCM D350, D500 (500.000m)	Serveone/GS E & C Joint Operation - Korea	350 bil	2012-2013
8	Thai Binh 1, 2 Thermal Power Plant	Supply and installation of PHC D350, D400, D500, D600, D700; Soil improvement work by PVD installation combined with vacuum pre-loading method, 11,8 ha	TOA Corporation	1,060 bil	2013-2015
9	Nghi Son Oil Refinery Plant	Supply PHC Pile D400, D600 and piling work	JGCS Consortium	590 bil	2014-2015
10	VINFAST Car Factory	Supply & installation of PHC pile D400	Minh Duc Concrete & Construction Company Limited	270 bil	2017-2018
<b>II UNDERGROUND CONSTRUCTION PROJECTS</b>					
1	Metro Line 1 HCMC	Jet grouting of barrette and steel sheet pile, TBM Construction	Shimizu-Maeda JV, Sumitomo - Cienco 4 JV	80 bil	2017
2	Metro line 3 Hanoi	Bored pile testing, U-shape pile testing, geotechnical investigation, bored pile, sheet pile and D-wall construction, Earth work and monitoring	Hyundai E&C - Ghella JV	300 bil	on going
3	HCMC water environment improvement	Soil improvement, shaft construction, pipe jacking	UCCI	98 bil	2017-2018
<b>III INFRASTRUCTURE CONSTRUCTION PROJECTS</b>					
1	Highway No.1 - Phu Ly Bypass section	Construction and upgrading road surface	FCC Infrastructure investment JSC	1,026 bil	2014-2016
2	Thilawa Port (Myanmar) expansion	Soil improvement in PVD method	TOYO (Japan)	55 bil	2016
3	Bago Bridge (Myanmar)	Soil improvement	TOKYU construction co., LTD	88 bil	on going
4	Road to Tan Vu - Lach Huyen Bridge	Road construction	17 Co Ltd	40 bil	2015

NO.	PROJECT	SCOPE OF WORK	CONTRACTED PARTNERS	AMOUNT OF WORKS (VND)	PERIOD
5	Construction of Da Nang–Quang Ngai Expressway Project (Package No 1)	Road construction	Civil Engineering Coconstruction Corporation No.6	167 bil	2016
6	EX-4 Ha Noi Hai Phong expressway	Road construction	CGCD & GIETC Joint Venture	68 bil	2012-2013
7	HCM Long Thanh - Dau Giay Expressway	Road construction	POSCO Engineering & Construction Co., Ltd	32 bil	2011
8	National Highway No.1A, Cau Gie, Ninh Binh Section, Ha Nam Province	Road construction	Civil Engineering Construction Co.,No8	21 bil	2007
9	National Highway No.18 Improvement & Expansion Project – Bac Ninh Pprovince	Road construction	Civil Engineering Construction Corporation No1	22 bil	2005–2006
10	National Hightway No.1 Pháp Vân, Cau Gie Section, Ha Tay Province	Road construction	Phap Van, Cau Gie Project Management Unit	22 bil	1999

#### IV BUILDING AND PLANT CONSTRUCTION PROJECTS

1	Phenikaa University	General Contractor	Phenikaa Group	400 bil	2018-2019
2	Empire city	General Constructor for Earth works, concrete structure of basement and other infrastructure works	Empire City Co., Ltd	309 bil	2017 – 2020
3	Hoi An South Development Complex	Underground drainage, earth works and lighting	Vinacapital, Chow-Tai-Fook & The Suncity Group	322 bil	2016-2017
4	Lotte Mall Hanoi	Demolition and civil Works - Package 1 (Zone A)	LOTTE Engineering & Construction Co., Ltd	118 bil	2018-2020
5	Dai Phuoc Lotus	General Contractor for Consturion and Finishing	Vina Dai Phuoc Corporation	150 bil	on going
6	Hoa Phat Dung Quat Steel Factory	Structute Construction	Hoa Phat Dung Quat Steel JSC	65 bil	2018
7	Cristobalite Material production factory	General contrator for piling works, reinforced concrete work, and steel structures.	Phenikaa Group	27 bil	2018
8	Logistic Thang Long	General Contractor for foundation, superstructure, finishing and M&E works	Transimex Logistic JSC	71 bil	2018
9	Vinh Hao 6 Solar Power Plant	Foundation Works	FECON Corporation and Acwa Power	63 bil	2018-2019
10	Samsung Thai Nguyen 3D Glass Factory	Foundation works and Steel Structure	Samsung C&T	215 bil	2015

#### V INVESTMENT PROJECTS

NO.	PROJECT	INVESTMENT ITEM	PARTNERS	INVESTED CAPITAL (VND)	PERIOD
1	Vinh Hao 6 Solar Power Plant	Renewable energy investment	Acwa Power (Audi Sabi)	1.361 bil	2018
2	Phu Ly City Bypass road (BOT contract)	Transportation infrastructure investment	Nexco, Jexway (Japan)	1,450 bil	2016
3	My Hao Garden city	Eco urban development		13,000 bil	Studying & Proposing

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