



Hawee M & E Case Study

VPBANK TOWER

HANOI

LANG HA TOWER CO. LTD

Hawee[®]
TRULY YOUR PARTNER

VPBank Tower, Hanoi

Address

89 Lang Ha Street, Dong Da District, Hanoi

Investor

VPBank

Designer

CPG Vietnam Consultants Co., Ltd

Supervision consultant

Consultant & Inspection Jsc of Construction Technology & Equipment (CONINCO)

Contract value

123,353,144,098 VND

Duration

04/2015 - 04/2016

Systems

Electrical system

Plumbing system

Water treatment system

BMS system

HVAC system

ELV system

Fire protection system

Elevator/ escalator system

Project Service Rating



Advancement in technology
(4 stars of 5)

This is one of our most technical projects, which required our engineers to utilize all available tools, including 3D-BIM technology, to develop the perfect ELV system for VPBank.

Project efficiency
(4 stars of 5)

Our team completed the project construction a full three months ahead of schedule.

Hawee M & E Case Studies

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VPBank Tower

Located amidst the hustle and bustle of downtown Hanoi stands one of Vietnam's most technologically advanced buildings: The VPBank Tower. Rising 32 levels above the street, the building hosts VPBank, one of Vietnam's top five largest banks.

This building manages the internet, intranet, communication, and account transactions conducted by VPBank branches. Understandably, the bank requires a very technologically advanced ELV system to support its branches across the country.

An ELV system is traditionally a basic system comprised of communication tools like telephone and internet networks, but the system that VPBank required was unique. The system required state-of-the-art communication technologies. VPBank, the developer of this project, needed to find an M&E contractor who could meet the difficult requirements of this project.



In August of 2014, VPBank took the project to bid and began searching for a reliable M&E contractor who could supply a system that could suit the special technical requirements of the project.

This was an especially challenging system to design because each M&E system would need to support the others. The powerful air conditioning system would make sure the ELV system didn't overheat, the electrical system would power the security system to ensure that the technology was safe, and the security system would protect the whole M&E systems. This project was truly complex and required a contractor who could stay aware of VPBank's needs.

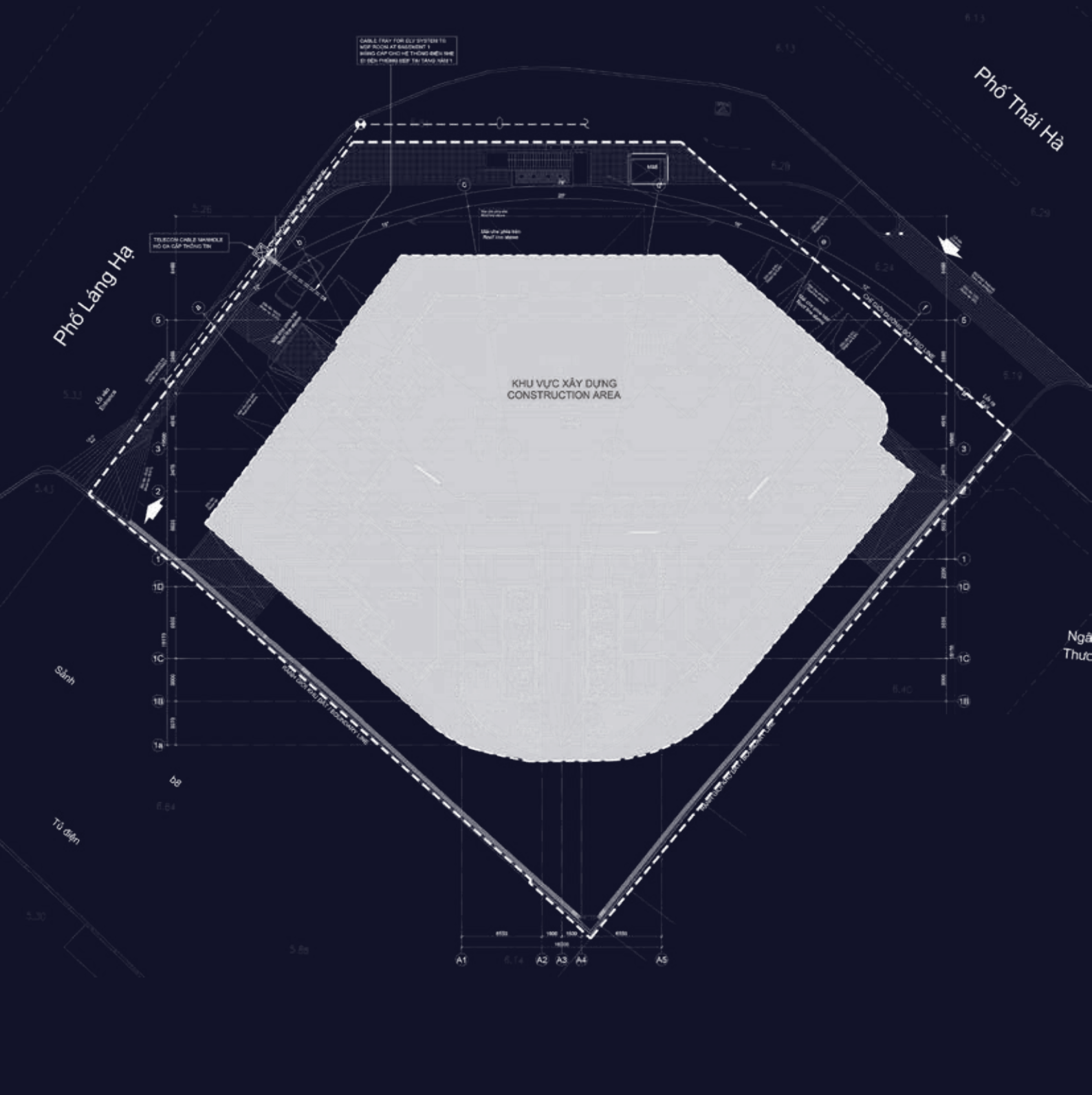


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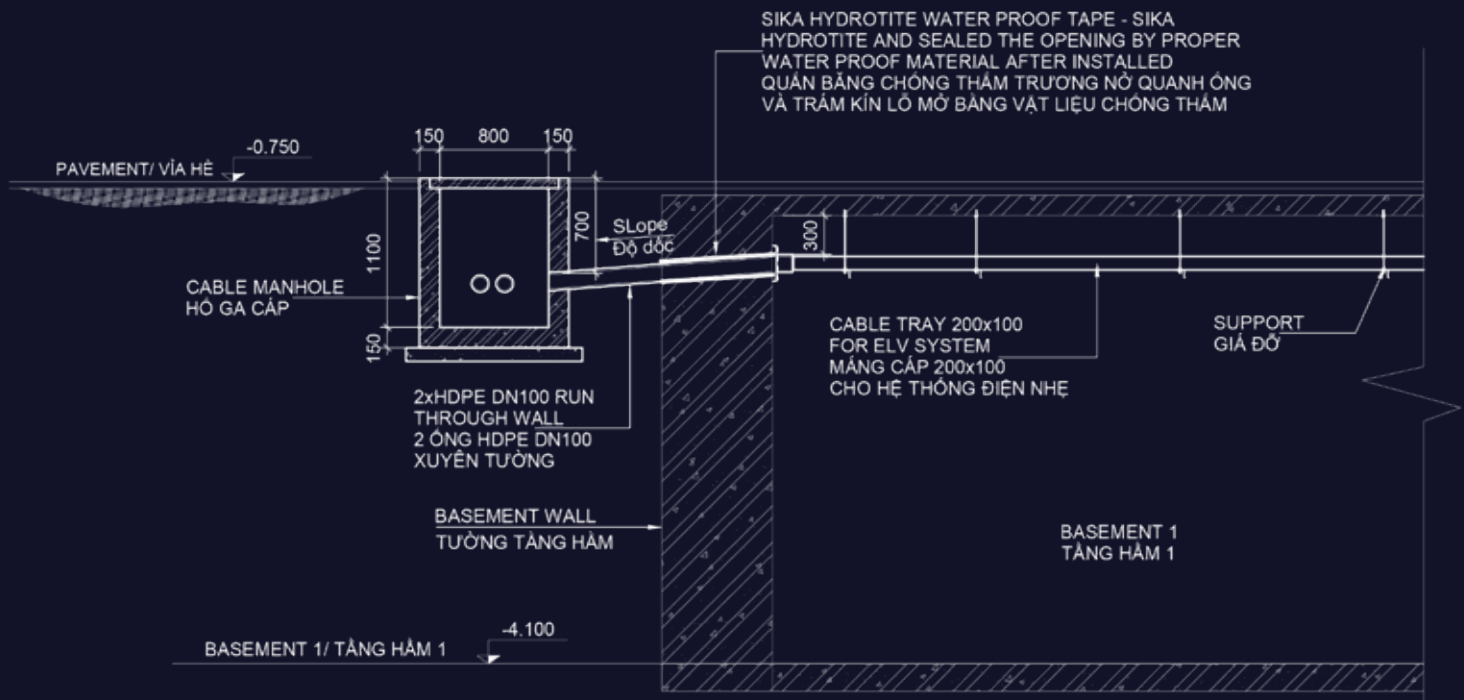
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3D-BIM technology allows the developer to actually view the design as it would look installed on their project in a virtual reality environment. The M&E solution brought the electrical, HVAC, plumbing, building management, and massive ELV systems together into one unique and advanced solution that was perfect for the project.

While many contractors submitted designs, it was Hawee's state-of-the-art design as displayed using **3D-BIM technology** and as led by our chief engineer that won us the contract.



Construction drawing showing an overview of the ELV system



DETAIL 1 - INCOMING TELECOM CABLE THROUGH BASEMENT 1
CHI TIẾT 1 - CÁP THÔNG TIN VÀO TẦNG HẦM 1

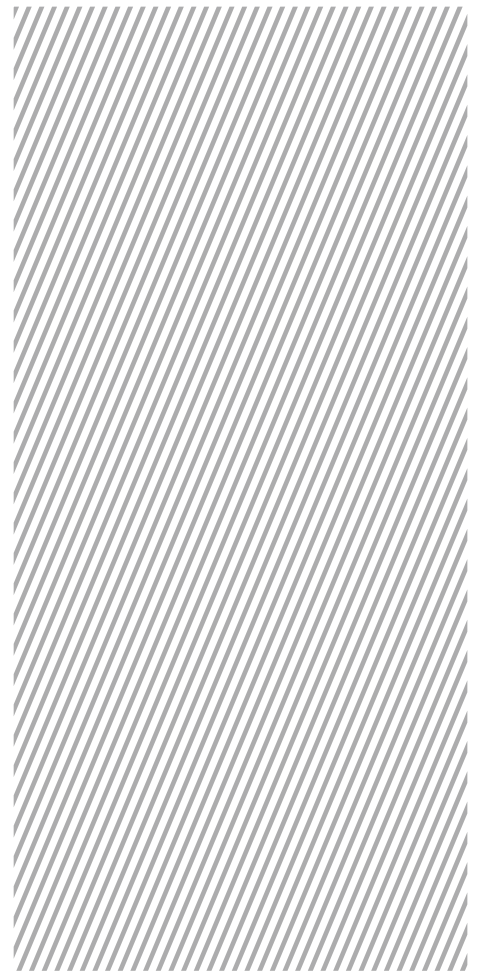
Construction drawing detailing the ELV system layout

We stayed flexible to meet all project requirements. We had proven, yet again, that we are truly a partner for M&E systems.

Hawee began developing the project immediately, bringing in expert technical teams to focus on the electrical system, building management system, and ELV system.

In all, 15 engineers, and over 100 technical workers produced and installed the important M&E system at VPBank Tower. To ensure quality and fit, quality and functionality tests were conducted at every stage of production and installation.

Hawee is scheduled to finish the project in April, 2016. The work will meet all technical requirements, and the developer is thus far very happy with the project's development. VPBank is scheduled to occupy the building within a few months after completion.





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