

Overview

ietnam Oil and Gas Group (Petrovietnam or PVN) is a state-owned oil corporation in Vietnam. The group is engaged in the energy sector, including oil, gas and renewable energy. Over more than 40 years, Petrovietnam has been growing into a fully integrated business model, ranging from exploration, production and refinery to petrochemical, gas industry, gas to power/fertilizer and petroleum technical services. As a leading corporation, the group has a key role in accelerating national economic growth, high-qualified human resources development, international integration, and overseas investment.

The PVN headquarters is located in Hanoi, Vietnam. This 19-story building brings together 700 employees out of a total 60,000 across Vietnam.

40 years of experience

700 employees in Hanoi

60,000 employees in Vietnam



Needs & challenges

Due to the nature of their activity, PVN decided to deploy biometric access control throughout the entire headquarters in Hanoi, where access to the 19 floors is

enabled after a first control at speedgates in the main lobby area of the ground floor. As most employees arrive within the same 30-minute window during office hours, this created the need for a high throughput access control solution for entrance and exit peak-times, and therefore for contactless biometrics.



Solution & results

ASTEC, a Vietnamese distributor of automation products for buildings and IDEMIA regional partner, opted for VisionPass facial recognition terminals integrated with Automatic Systems SL902 speedgates. Three SL902 lanes were installed with six VisionPass units for entry and exit, and nine additional VisionPass devices installed at key entry points in the building combined with elegant, automatic glass doors.

PVN, advised by ASTEC, selected VisionPass for its perfect combination between performance and user experience, around speed and ease of use by all employees: the terminal provides a nearmotion 1-second verification

with multiple face angles and light conditions, and is **resistant to all kinds of spoofing attempts** essential for a security device.

In the context of Covid-19 and health regulations in place, PVN also needed a terminal that would be **fully efficient** with face masks. It is the case with VisionPass that also features a mask detection mechanism. Both features enabled PVN to enforce their health and safety policy in the context of the Covid-19 pandemic.

Finally, user privacy was also a key concern to ensure project success. It is integrated by design in VisionPass through the Intention Area concept, creating a 70 centimeter "privacy bubble" around the terminal. Only by entering the Intention Area do enrolled employees show their deliberate intent to be authenticated, while nearby persons whom are not enrolled cannot be processed.

The installation is **highly** acclaimed by employees who appreciate the frictionless biometric use of VisionPass associated to Automatic Systems SL902 speedgates, that enable them to go from entry to the elevators in just a few seconds. This unique user experience greatly helped employee acceptance of the new device and project deployment. The team in charge of building security found the VisionPass and SL902 speedgates combination more secure and less intrusive than other access control systems.







Learn more



ASTEC Corporation is a Systems Integration company established in 2002 with over 100 employees and 3 branch offices in Hanoi, Ho Chi Minh and Da Nang, and dozens of agents in major cities across Vietnam. ASTEC is a leading company in Vietnam, operating in total security solutions and telecom infrastructure solutions for state organizations (border control management, Ministry of Police, Ministry of Defense, etc.), Telecom groups (Vietnam Central bank, Viettel, Mobifone, Vinaphone), and other industries such as PVN, EVN, etc.

www.astec.vn

VisionPass is the most powerful facial recognition device on the market. Developed in collaboration with partners and end-users, this robust and reliable device provides nearmotion 1-second verification with different user height (120-200cm), multiple face angles, and in all light conditions (from total

obscurity to bright sunlight). VisionPass is resistant to all kinds of spoofing attempts by presentation of a photo on paper or smartphone screen and even 3D-molded masks, as confirmed by its 100% success at the iBeta Presentation Attack Detection (PAD) level 1 and level 2 testing.

To obtain this unique performance level, IDEMIA associated its latest advances in Artificial Intelligence and facial recognition algorithms with a state-of-the-art optical set combining 2D, 3D, and infrared cameras to meet the expectations of the most demanding clients.

idemia.com/visionpass



Automatic Systems SL902 speedgates product page

Designed for heavy use in intra-building sites, the SmartLane 902 security entrance lane ensures an effective, reliable anti-fraud and rapid control of pedestrians taller than 1 m, with or without luggage, in both directions of passage.

www.automatic-systems.com/ier-content/uploads/2019/07/sl902-ft-en-13.pdf



idemia.com/access-control-and-time-attendance







