

Smart Factory

for easing parking congestion and more secure work environment

Smart Bike Parking Solution powered by NEC's Face Recognition Technology

Challenge

YAZAKI HAIPHONG VIETNAM is a top automotive wire harness supplier situated in Vietnam. It employs over 3,000 workers, and most of them commute to work on their motorbikes. After braving the rush hour on their way to work, employees face long queues when they arrive at the factory. Eight security guards have to manually verify the ID cards and license plates of all the motorbikes before issuing the riders with a paper ticket, which they have to return upon exit.

YAZAKI HAIPHONG VIETNAM's management team wanted to find a solution to:

- Eliminate human error in ID checking and matching the motorbike license plates to their riders
- Increase the security of the motorbike park to prevent theft of vehicles and unauthorized entry
- Digitalize the entire process so that the security team can easily manage the in/out logs
- Optimise the productivity of the security team, allowing them to focus on more crucial tasks

Solution

Smart Bike Parking Solution

NEC partnered with ALSOK to introduce the Smart Bike Parking Solution. It offers enhanced security by using NEC's face recognition technology to match the faces of employees, their ID card, and their license plates upon every entry and exit. With this solution, managing the entry and exit of bikes has become more streamlined and efficient.

Benefits

Every motorbike entry and exit is digitally logged in the system, allowing efficient access to the logs when necessary

Paper tickets are no longer used, helping to save costs and paper consumption

- NEC uses the world's most accurate face recognition technology*, which can identify employees even through their face masks and helmets
- Employees are assured that no one else can exit the bike park with their vehicles, eliminating the risk of theft
- Significantly reduced face-to-face interactions between security guards and employees – freeing up security guards to focus on other tasks

*NEC ranked No.1 several times as the world's most accurate face recognition technology in vendor tests conducted by the US National Institute of Standards and Technology(NIST).The evaluation results do not represent recommendations by the US government for specific products

Quote

“ We are keen on providing our employees with a high-tech and digitized workplace, and we hope to expand this project to other back-office functions at our factory. We are eager to start new projects with NEC and ALSOK in the future. ”

Katsutoshi Kono, Factory Manager
YAZAKI HAIPHONG VIETNAM

More info

<https://www.nec.com/en/global/solutions/biometrics/face/index.html>



A drive towards greater sustainability

01 Safer work environment
Prevention intrusion of non-employees.

02 More efficient manpower allocation
Freed up time for security guards to focus on protecting citizens