

Case Study

NEC Super Tower

Tokyo, Japan

How NEC's Tokyo headquarters sets the benchmark for buildings of the future

The challenge



Towering 180 meters over Tokyo, the NEC Super Tower is the company's global headquarters and home to some of its brightest minds. To improve the office experience for its employees, NEC was looking to:

- Create a single identification platform to remove the need for keycards, multiple passwords, and manual payment methods in the building
- Assure employees that their health and safety are taken care of in the workplace
- Employ an even more secure AI and biometrics system that protects employee privacy and data



The solution



In July 2020, the NEC i:Delight team embarked on a test project to make the NEC Super Tower a shining example for future smart buildings. Here are some of the expected outcomes when the project is fully completed:



Convenience

With NEC i:Delight, powered by world's most accurate face recognition technology, employees can use face identification anywhere in the building, even if they are wearing face masks.

They can:

- Log in to any shared PC and have their personal settings and files immediately retrieved from the cloud
- Unlock their lockers
- "Grab and go" at vending machines, the NEC Smart Store, and the HQ's café (payments are automatically billed to their credit cards or deducted from their wages)



Safety

- Automatic temperature screenings help ensure unwell employees are taken care of
- Employees can check crowd levels in real-time and avoid congested areas in the building



Hospitality

Registered guests receive personalized greetings at the entrance and are automatically directed to the correct meeting room



Security

Highly-advanced encryption prevents identity and data theft

The face of the future

With NEC i:Delight technology making the workplace safer, more convenient, and more efficient for NEC employees, the solution sets a high benchmark for other facilities such as offices, stadiums, hospitals, and hotels looking to transform themselves as the world faces a more connected future.



Learn more about NEC i:Delight at nec.com/idelight/smartbuilding