Beijing New Airport Terminal Building

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CHINESE AIRPORT WILL SHOWCASE LATEST FACIAL RECOGNITION TECHNOLOGY

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New facial recognition software pioneered by two startups will be used for security screenings in a new airport in Beijing.

Introducing technology such as cameras, sensors and alarms to security processes can improve efficiency in identifying threats and enable faster responses. A new Beijing airport will feature surveillance that uses the latest recognition technology.

With the existing airport in Beijing at capacity, the new international airport designed by architects studio Zaha Hadid will become the fastest growing aviation sector accommodating up to 100 million passengers a year. Introducing the new facial recognition technology will enable a more secure system for security and immigration screenings. Two Chinese artificial intelligence companies are competing in a bid for the contract. The first is Yitu, a Shanghai-based startup that integrates its artificial intelligence (AI) technologies into industrial applications in sectors including security finance, healthcare and transportation. Competing with Yitu is SenseTime, an established AI technology company with 6 branches across China and Japan, including Beijing, Honk Kong and Tokyo. SenseTime's main focus is computer vision and deep learning technologies.

The airport AI system is likely to work using cameras and access to a national ID database. Through this, the AI will be able to scan and track the appearance of a person and confirm their identity. Furthermore, computer vision will allow airport authorities to track the belongings of passengers. Therefore, if a bag is left unattended, the airport authorities can easily identify whose it is.

Here at Springwise, we have previously published many innovations in technology-enabled security systems. For example in the United Arab Emirates, the Dubai International airport is introducing a biometric security system. The system will use electronic fish with built in cameras in a tunnel-shaped aquarium to scan passengers for facial recognition. Another example is a biometric system from the US that uses finger bone vibrations to authenticate a user and allow secure access. What other technologies can improve safety and create more efficient security processes?

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