

## CASE STUDY

# Building a safer university environment using RetailNext's Occupancy API

A well-known university based in Singapore has over 33,000 undergraduate and postgraduate students in engineering, business, science, humanities, arts, social sciences, education and medicine.

## PROBLEM SOLVING

With new rules and regulations set out by the government due to COVID-19, our partner, RetailDDS, was looking for a reliable solution provider to monitor real-time occupancy levels for a university client.

### FOCUS AREAS:

- Building entrances and exits
- Dining halls and common spaces
- Fitness center
- Lecture rooms and teaching spaces
- Campus library

## THE SOLUTION

RetailDDS leveraged the RetailNext Occupancy API as a solution for the university. This allowed the university to display live occupancy metrics from different locations on campus via their website and mobile app in real-time.

This data helps staff members and students to accurately track and monitor which areas on campus are safe to enter versus which locations to avoid due to overcrowding.

## HOW DOES IT WORK?

RetailNext all-in-one IoT sensor Aurora stitches video from multiple sensors, thus making it easier to analyse foot traffic in wider open areas in the school, without any programming work required.

If a room exceeds or almost reaches a defined occupancy threshold, different colors will be shown in each room. The number of students, staff and visitors are also displayed on the website and mobile app.



## THE RESULTS

The easy to use RetailNext API enabled RetailDDS to quickly integrate and implement an occupancy solution for the university.

This enabled the university to accurately monitor occupancy levels and display findings on the website, optimize staff schedules and ensure a successful social distancing strategy was implemented.

**“RetailNext provided clearly defined documentation and well thought out APIs which allowed for a seamless integration” - Alex Toh**