

HOLMAN ENGINEERING

James Cook University - Cairns Campus

James Cook University (JCU) ranks in the top 400 universities worldwide. JCU Cairns has 9 car parks servicing over 4000 students.

Holman Engineering designed and installed a parking guidance system to aid students and staff in efficiently finding available parking spaces. The system monitors vehicle movements at car park entries and exits to accurately calculate the available spaces and then displays this figure on signs that were installed throughout the campus.

The count points and LED displays all use fibre optic technology to communicate with our TrafficNet server. The server stores all collected data on a central database which can be accessed by a user friendly web-based UI. The system is integrated with the CelloPark parking payment app and can easily communicate data with other 3rd party web-based services.

System Information

- ◆ 18 LED displays
- ◆ 12 count points
- ◆ 1127 total parking spaces



James Cook University									
[SIGN] Cairns Campus P3 Total P8_P9 Total P6_P7 Total									
AUTOMATIC	MAP	TABLE	Mode	In	Out	Movement	Sensor	Display	Car # / Max
TOTAL				835 ↑	282 ↓	553/1127			516/1127
Cairns Campus									516/1127
P1	(AUTOMATIC)	180 ↑	83 ↓	97 / 146			49	97 / 146	
P3 Premium	(AUTOMATIC)	48 ↑	43 ↓	5 / 34			29	5 / 34	
P3 Ticket	(AUTOMATIC)	40 ↑	23 ↓	17 / 61			44	17 / 61	
P5	(AUTOMATIC)	364 ↑	98 ↓	266 / 474			208	266 / 474	
P6	(AUTOMATIC)	65 ↑	22 ↓	43 / 210			167	43 / 210	
P7	(AUTOMATIC)	19 ↑	9 ↓	10 / 40			30	10 / 40	
P8	(AUTOMATIC)	93 ↑	25 ↓	68 / 83			15	68 / 83	
P9	(AUTOMATIC)	26 ↑	16 ↓	10 / 79			69	10 / 79	
P3 Total									73 22 / 95
P8_P9 Total									84 78/162
P6_P7 Total									197 53/250

The above image is an example of the web-based user interface displaying live parking data