

VERTICAL TRANSPORT MANAGEMENT SYSTEM

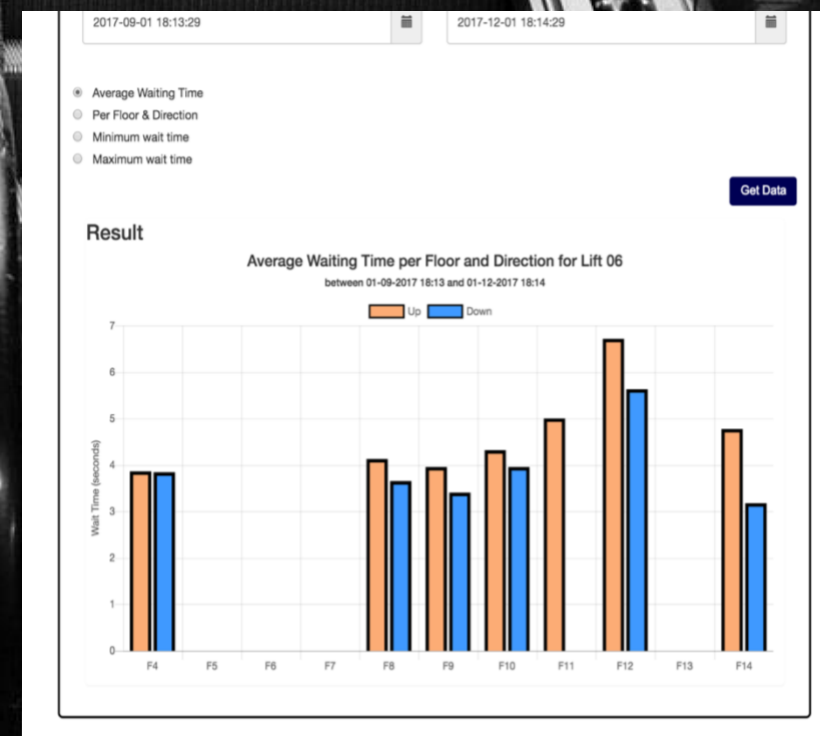
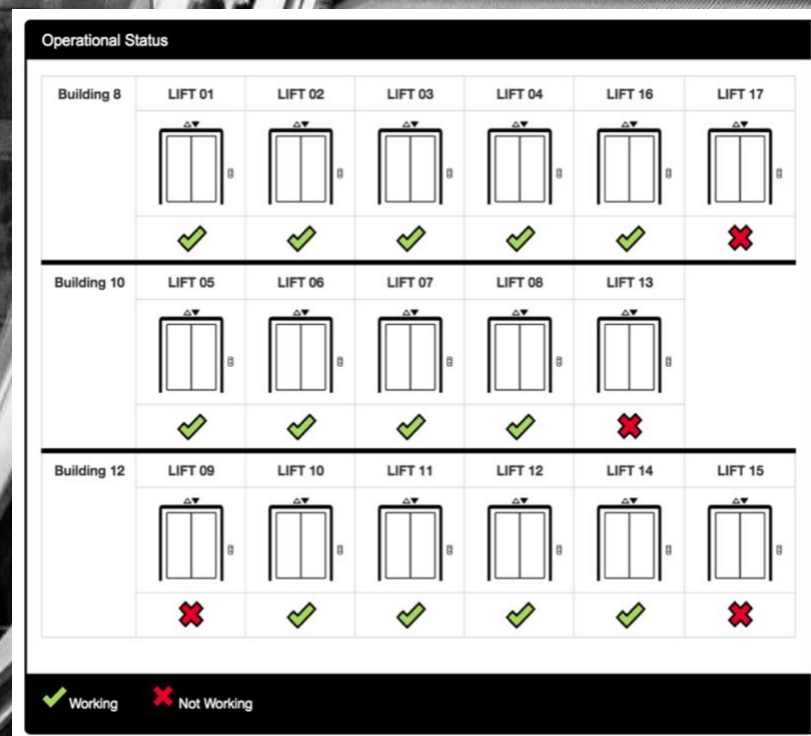
Say goodbye to long waiting times in lift lobbies!

Thanks to New Academic Street and RMIT, the risk of running late to a class has significantly decreased.

The Vertical Transport Management System is a project initiated by NAS and RMIT to solve the problem of congested lift lobby areas and to improve people flow around the university. This project consists of two parts: a web-portal designed to analyse lift performance and display panels for public lift information.

The students who developed the foundations and prototypes for this project include: Peng Chen, Alber Christianto, Jun Feng, Annie Vuong, Osheen Walawedura, and Dong Wang.

Please feel free to ask the students if you have any questions!

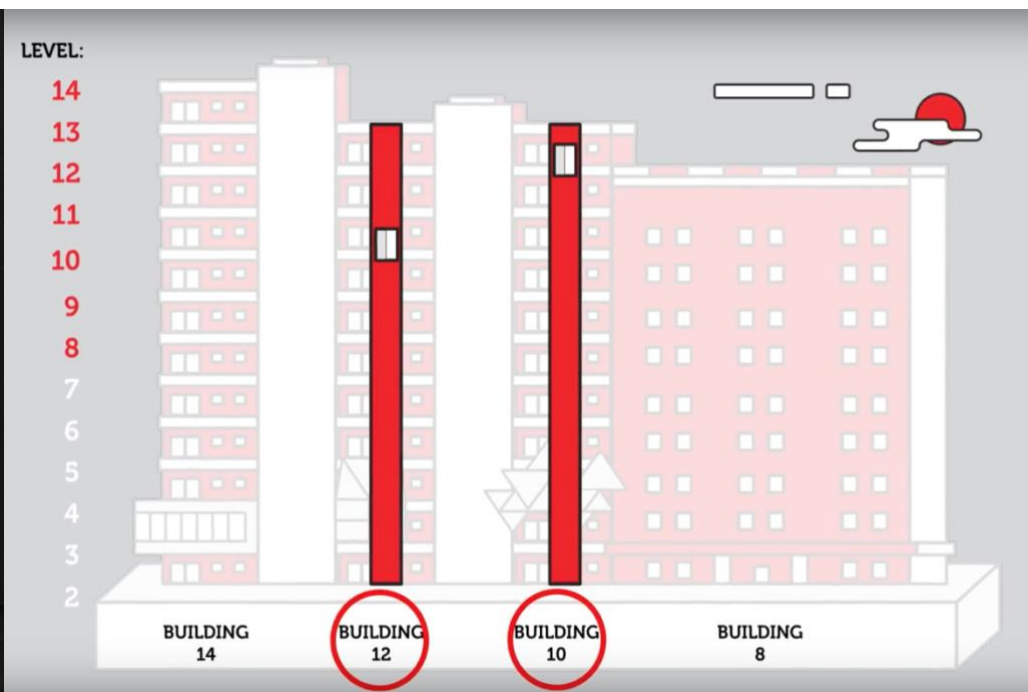
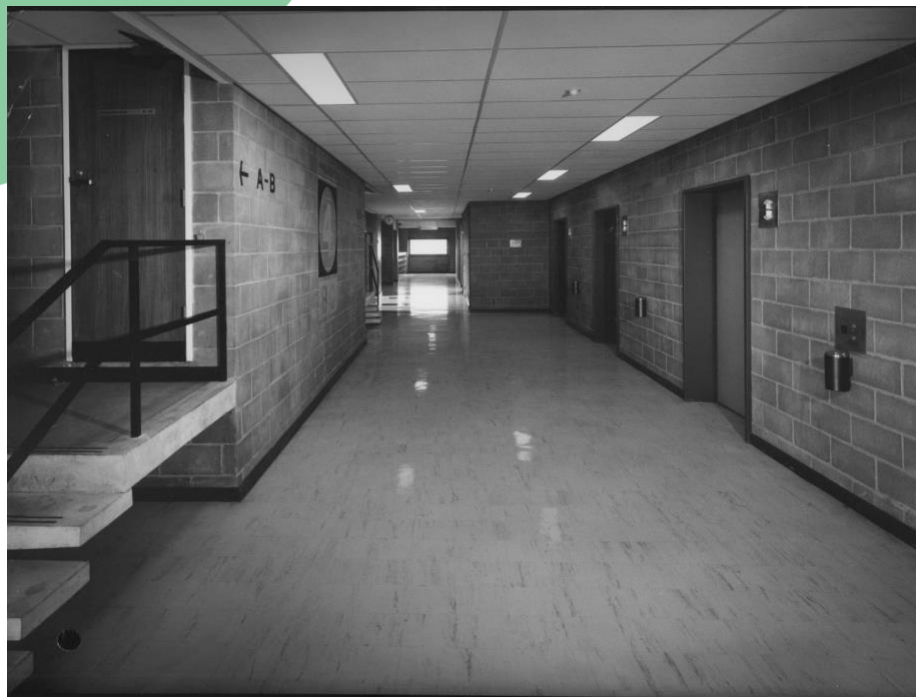


WHAT IS VTMS?

VTMS is a two-part system:

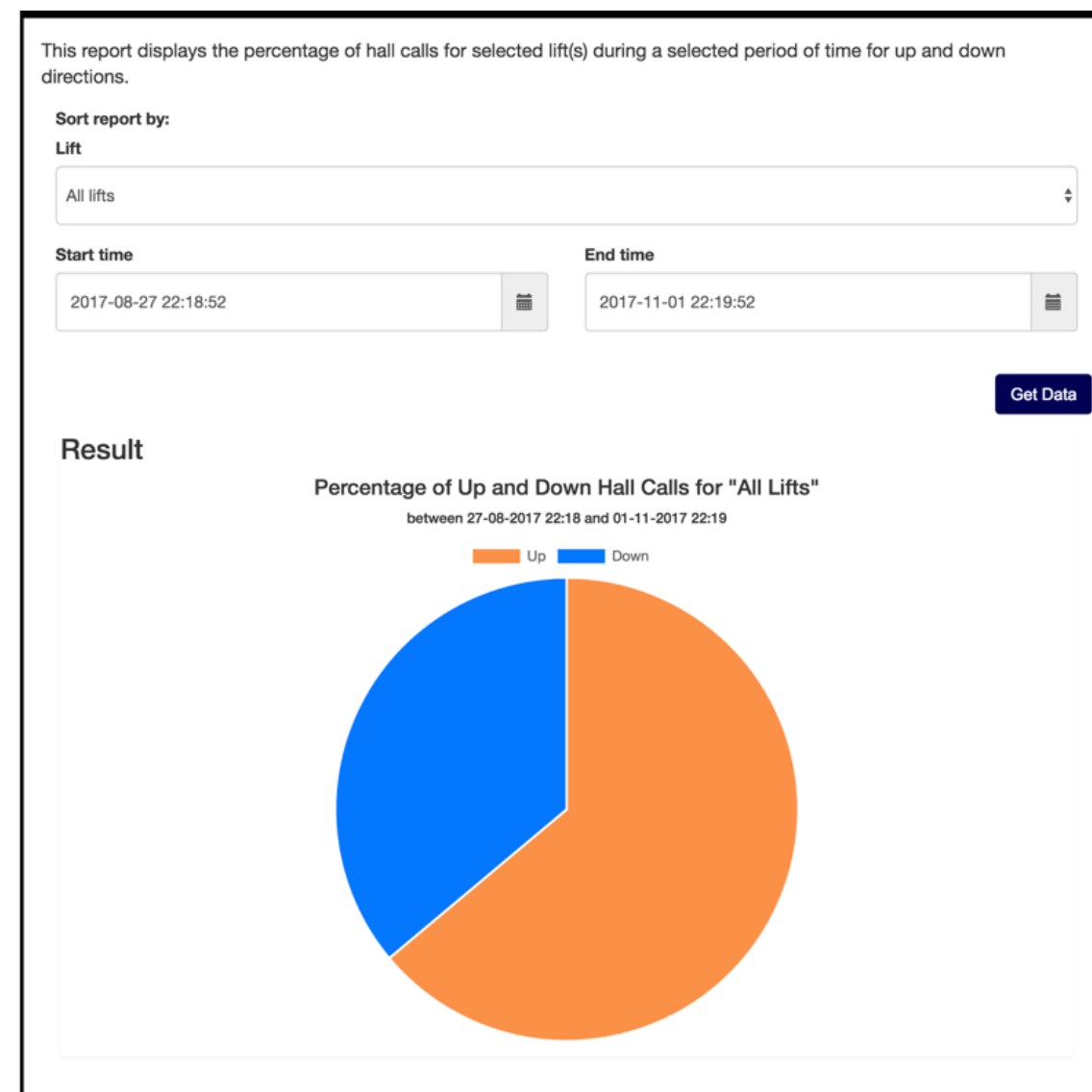
The web portal is designed to be utilised by RMIT staff to monitor lifts in the NAS precinct and analyse their performance. It is also mobile-friendly so that RMIT staff can use it on the go. The basic functionalities of our system are based off the NMS Data Analyser.

The display panel is used to display the basic information of lifts, which includes the status and estimated waiting time for each lift.

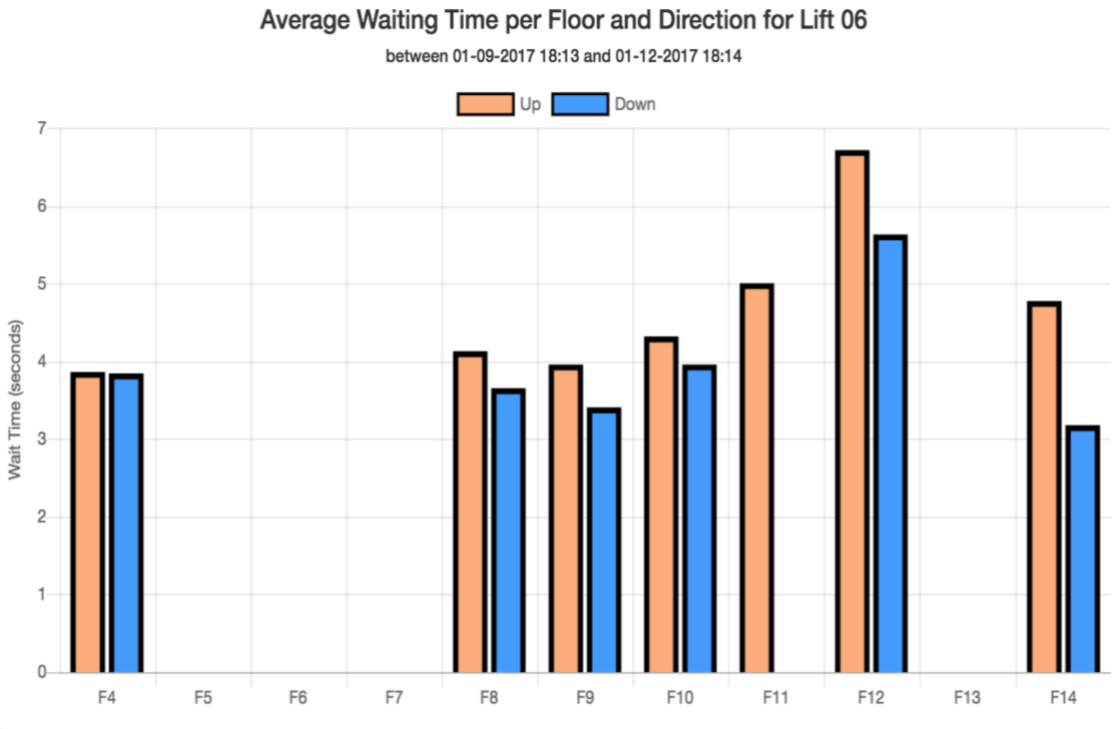


HOW VTMS WORKS

Users can view recent and historical data for each lift in buildings 8, 10, and 12 via the web portal. The information is provided by data analysers to be installed in lifts of the NAS precinct. The web portal provides many different types of data in various visual and tabular formats.



Result



Result

ID	Lift	Occured Time	Event Type	Result	Direction	Door Status	Floor	Safety Switch
1	LIFT 06	26/10/2017 16:27:00 AEDT	Elevator Fire Case	OFF	Stop	Opened	3	N/A
2	LIFT 06	26/10/2017 16:15:00 AEDT	Elevator Fire Case	OFF	Stop	Opened	2	N/A
3	LIFT 06	26/10/2017 16:15:00 AEDT	Elevator Fire Case	ON	Stop	Opened	3	N/A
4	LIFT 06	26/10/2017 16:14:00 AEDT	Elevator Fire Case	OFF	Up	Opened	3	N/A
5	LIFT 06	26/10/2017 16:14:00 AEDT	Elevator Fire Case	ON	Stop	Opened	3	N/A
6	LIFT 06	26/10/2017 16:14:00 AEDT	Elevator Fire Case	OFF	Down	Opened	3	N/A
7	LIFT 06	26/10/2017 16:14:00 AEDT	Elevator Fire Case	ON	Stop	Opened	I	N/A
8	LIFT 06	26/10/2017 16:14:00 AEDT	Elevator Fire Case	OFF	Stop	Opened	I	N/A
9	LIFT 06	26/10/2017 16:14:00 AEDT	Elevator Fire Case	ON	Stop	Opened	2	N/A
10	LIFT 06	26/10/2017 15:42:00 AEDT	Elevator Fire Case	ON	Stop	Opened	2	N/A

Result

ID	Lift	Occurred Time	Direction	Wait Time (seconds)	Operation Mode	Event Type	Floor Position	Door Status
1	LIFT 13	26/10/2017 21:23:00 AEDT	Stop	1.0	2	Elevator Operation Mode	1	Closed
2	LIFT 07	26/10/2017 21:23:00 AEDT	Stop	1.0	2	Elevator Operation Mode	1	Closed
3	LIFT 07	26/10/2017 21:16:00 AEDT	Stop	1.0	2	Elevator Operation Mode	IF	Closed
4	LIFT 13	26/10/2017 21:16:00 AEDT	Stop	1.0	2	Elevator Operation Mode	IF	Closed
5	LIFT 13	26/10/2017 21:12:00 AEDT	Stop	1.0	2	Elevator Operation Mode	1	Opened
6	LIFT 07	26/10/2017 21:12:00 AEDT	Stop	1.0	2	Elevator Operation Mode	1	Opened
7	LIFT 13	26/10/2017 21:08:00 AEDT	Stop	1.0	2	Elevator Operation Mode	JU	Opened
8	LIFT 07	26/10/2017 21:08:00 AEDT	Stop	1.0	2	Elevator Operation Mode	JU	Opened
9	LIFT 13	26/10/2017 21:02:00 AEDT	Stop	6.0	2	Elevator Operation Mode	1	Closed
10	LIFT 07	26/10/2017 21:02:00 AEDT	Stop	6.0	2	Elevator Operation Mode	1	Closed

PROJECT TEAM

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