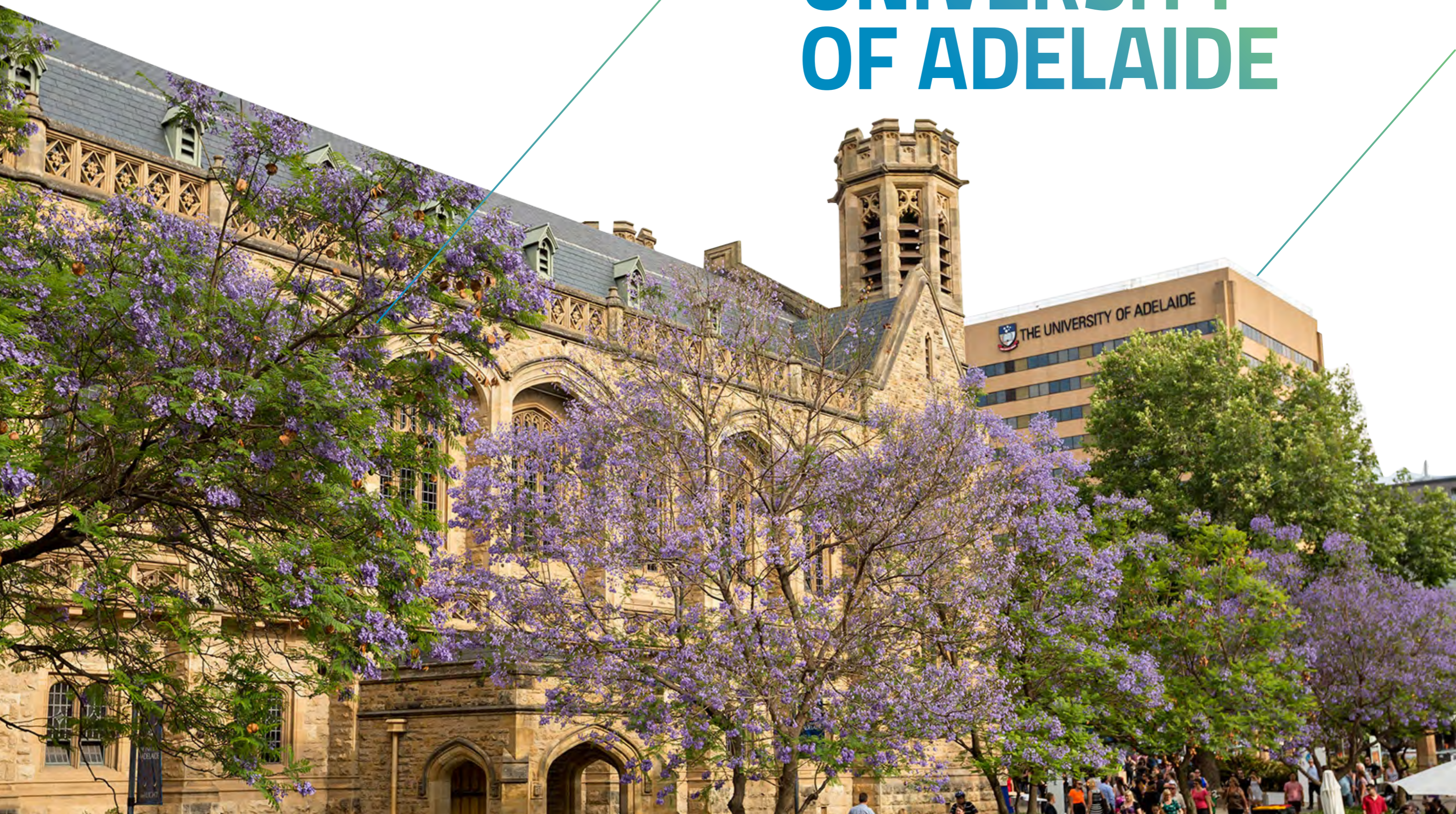


UNIVERSITY OF ADELAIDE





The University of Adelaide’s North Terrace campus is one of the oldest university sites in the country. This meant a lot of old infrastructure and heritage listed buildings – and a power distribution network that had just grown and grown over time. The best solution would have been to start afresh – but that simply couldn’t happen.

Background

AZZO’s work with The University of Adelaide began as a pilot project aimed at establishing ‘energy awareness’ amongst staff and students at their North Terrace campus. This was the university’s first step in gaining an understanding of its energy usage and costs – and the start of a 10-year relationship with AZZO.

The solution

With this project, we ended up heavily utilising 3 of AZZO’s 4 core solutions.

Energy Management was a key focus of the project. However, Electrical Engineering also played a big factor. To be able to deliver the outcomes the university was looking for, we had to really get in and understand the power distribution and how it was working to be able to

properly design the metering architecture, to achieve the Energy Management goals.

Finally, with all the hardware installed on the project, we utilised one of our other pillars – Digital Systems.

This allowed us to create a number of reports and visualisations, which enabled the university to see the metering

data that AZZO had installed into their infrastructure.

Part of our more recent work with the university that we’re particularly proud of is the Adelaide Health & Medical Sciences (AHMS) building.

We were able to architect the building’s entire power monitoring system – from the incoming power quality, right down to every distribution board in the building. This was also the first real Power Automation solutions, which has since become one of the mainstays of our business.

The challenge

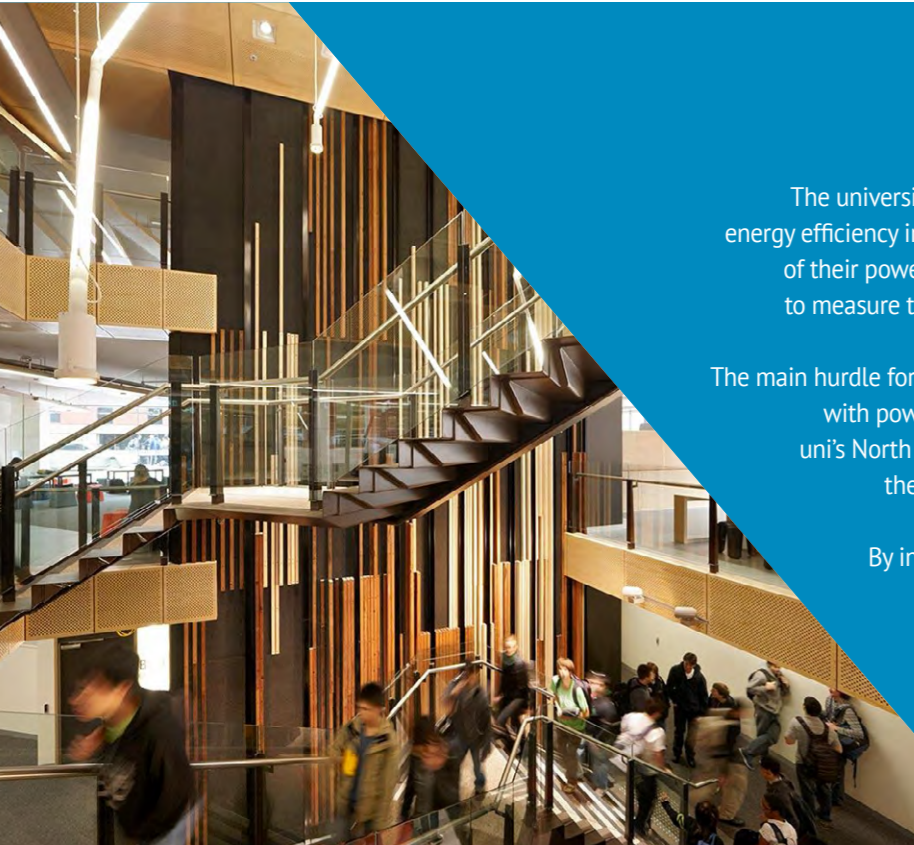
The university set us the goal of helping put them at the forefront of energy efficiency in the education space. This required a full understanding of their power usage and cost – in short, the university had to be able to measure the light and power usage on each floor, of each building.

The main hurdle for AZZO was dealing with an existing energy environment, with power distributed through a legacy system. Furthermore, the uni’s North Terrace campus has multiple utility suppliers – so one of the major challenges was to establish billing reconciliation.

By installing a series of power quality mains meters, between the campuses and SA power networks, the university was able to continually audit their power quality and reliability across the multiple buildings.

The results

The University of Adelaide is one of AZZO’s foundation clients. What began as an energy awareness Pilot Program has since expanded and evolved into a multi-campus energy management system. What’s more, our work on the AHMS building project won both the state and national NECA (National Electrical and Communications Association) Award for Energy Management.



AZZO

technology comes together[®]

Contact us to
see what we can
do together

AZZO (USA)
330 Changebridge Road
Suite 101, Pine Brook
NJ 07058
USA
+1 973 575 5032

AZZO (AUSTRALIA)
B22, 6 MAB Eastern Promenade
Tonsley
SA 5042
Australia
+61 1300 00 2996

solutions@azzo.com
azzo.com

