CASE STUDY

YWCA OUTRAM PRESCHOOL, SINGAPORE:
COMPACT COMPUTING POWER

A Micro Data Centre from Datwyler was installed in a YWCA preschool in Singapore. This saved time and money.

The Young Women's Christian Association (YWCA) is the largest ecumenical women's organisation in the world. In 125 countries throughout the world the charitable organisation promotes the (self-) empowerment of girls and young women.

In Singapore it runs a preschool in the Outram district. The YWCA operates a server room here. As part of expansion and refurbishment work the data cabling was to be renewed and the IT room moved to the second floor. The challenge was to set up an enclosed IT room in an existing space – a former classroom – as the current fire restrictions in Singapore do not permit this.

Those in charge of IT at the YWCA turned to Advanced InfoComm Pte Ltd, a local IT service provider, which has many years of experience with multinational companies from a wide variety of industries. Advanced InfoComm has been collaborating with the Datwyler team in Singapore for many years, and supplies its customers with Datwyler's structured cabling and data centre products and solutions.

Conforms to fire safety regulations
In June 2022 Advanced InfoComm suggested that a Micro Data Centre would suit the YWCA. This is an integrated system including power distribution, cooling, UPS and active network equipment – and is available from Datwyler in a completely enclosed rack.

The YWCA immediately took up the suggestion. On the one hand this solved the problems with the fire safety regulations, and on the other it kept the renovation work to a minimum, for thanks to the Micro Data Centre a separate air conditioned room does not need to be set up for a single server rack.

A multitude of benefits
The Micro Data Centre provides the YWCA with a multitude of benefits: in addition to the components mentioned it also houses the structured cabling management system – likewise the environmental management software which allows the visual centralised monitoring of the entire IT infrastructure using sensors (smoke, water, temperature), thus ensuring the safe operation of the

active equipment. The cooling unit integrated in the rack also ensures high energy efficiency (Power Usage Effectiveness, PUE).

Plug-and-play solution

Installation took place in December 2022. It was accomplished relatively quickly, since the Micro Data Centre is a plug-and-play solution which Datwyler delivered in pre-fabricated form.

The YWCA is currently examining the possibility of also using a Micro Data Centre in the hotel which it runs in Singapore.

The existing data centre solution could, moreover, be expanded in the near future should the IT requirements increase.

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