

CASE STUDY

WEB INTERNATIONAL ENGLISH, SHANGHAI: A SOLUTION WHICH SETS A PRECEDENT

At Webi head office in Shanghai Datwyler has implemented a “smart” IT infrastructure solution which is serving as a model for all the branches of the Chinese language course provider.

Web International English – Webi for short – is one of the best and most modern of China’s language schools. Since it was established in 1998 Webi has opened over 160 training centres in 60 cities throughout the country. English teaching takes place in small classes and is computer-assisted. Webi uses cutting edge computer assisted language learning (CALL) technologies.

The Webi head office is in the new headquarters of the Web Education Group in the Shanghai district of Xuhui. It is here that Datwyler recently implemented a comprehensive modern IT infrastructure solution. The solution installed by Datwyler is not only a key component of the “smart building” itself, but also serves as a template for the IT infrastructures of various Webi training centres throughout the country.

Central management

The remit was to create a dependable high-bandwidth wired and wireless network environment for around 2,000 users. All the subsystems were to be integrated in an IP-based management solution so that their operation could be visualised centrally by the IT managers. This solution was designed to serve as a sound basis for the future visualisation and central management of all the Webi IT infrastructures in China.

For the Webi head office Datwyler supplied an integrated end-to-end solution comprising a comprehensive cabling system, the computer network, the wireless network including access points, controllers and PoE (Power over Ethernet) switches, the systems for IP telephony, video monitoring, access control and multi-



media conferencing, as well as various systems for the central plant room. In this project Datwyler also used the new Micro Data Centre (MDC) for the first time. This solution greatly impressed Webi and was the decisive factor in placing the contract for installation of the nationwide IT infrastructures with Datwyler. In future Datwyler will look after the design, implementation and maintenance of the language school’s entire IT and infrastructure as part of a strategic partnership.

The Micro Data Centre concept

The MDC is an integrated system covering energy distribution, cooling, UPS and network equipment among other things. At the same time it acts as a platform for cabling and visualised management.

The MDC supplied to Webi in Shanghai was relatively simple to install and considerably speeded up implementation of the business applications – from e-mail through e-learning to office automation. It provides Webi



with the opportunity for fast data recovery, multistage upgrades and extensions as required.

Datwyler's data centre management software not only allows the visualisation and central monitoring of the IT infrastructure and network equipment. It also integrates the various sensors which ensure the safe operation of equipment, the video monitoring, access control and other systems. It therefore makes a significant contribution to effectively preventing errors, improving the efficiency and accuracy of operation and maintenance and, last but not least, to reducing the cost incurred by manual interventions.

Standard-compliant plant room

The comprehensive solutions implemented by Datwyler for the UPS, energy distribution, cooling, structured cabling and monitoring of environmental conditions in the central plant room mean that all the B-level requirements stipulated by the GB 50174-2017 Standard are met.

The central plant room provides a very clearly arranged high-performance infrastructure for the VPN and IT hardware, as well as a highly efficient and stable working

environment for the CRM, office automation, and for financial and other business applications.

Benefits for the customer

Datwyler's intelligent data centre system has made the management of Webi's data centre considerably simpler. Datwyler's professional services and extensive project experience facilitated rational data centre planning and rapid implementation, reducing construction time and permanently cutting operating costs.

The intelligent data centre system was put into service in Webi's central plant room and was tested and accepted by Webi. In future this solution will also be implemented in the plant rooms at all the branches.

By then Datwyler plans to set up a cloud-based service management platform for Webi. This will be used to manage the equipment in the branches in real time, to improve the integration of data communication, distribution and services, and thus achieve better resource utilisation.

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