

THE **INTERNATIONAL SCHOOL** **OF AMSTERDAM** MANAGES HVAC WITH PRIVA TECHNOLOGY

Since its opening in 1964, the International School of Amsterdam (ISA) has continued to grow. As a result of the increasing number of students, there was a need for more room and greater ease of use. If everything in the building can be controlled, building managers will have more time to focus on other tasks. That is possible today at ISA, thanks to Priva's advanced systems.

Challenge: More students, more room, more equipment

Children from all over the world attend classes at the International School of Amsterdam. Rob Boos has worked at ISA for 36 years, including 16 years as Operations Manager. He has seen the school change over the years: "The current main building has been there since 1996. In 2001 a sports hall was added, followed in 2014 by a new 8,000 m2 wing for four hundred extra students." Control equipment was required for those new rooms. And, after almost twenty years of use, the control boxes in the main building were also due for replacement.

Solution: User-friendly refurbishments

Quintess, a company specialising in measurement and control, was commissioned to convert the existing system with Priva. "A Priva heating/cooling battery system was already present in the building," explains Rob Boos. "We found the Priva Blue ID system to be so efficient and easy to use that we decided to proceed further with them."

Starting in 2015, Quintess implemented a whole series of refurbishments in the ISA buildings. "In total, we converted ten control boxes and five heat pumps," says Martijn Loeffen of Quintess. "Sixteen new air handling units, twenty extract fans and one hundred terminal unit systems were installed. All that infrastructure is managed using the Priva Building Operator suite with Priva Alarms, TC Energy and BI Metrics. These packages allow the customer to easily manage the system remotely and to monitor energy consumption."

Benefits: Working intuitively in an integrated system

The new Priva system opens up a whole range of possibilities. For instance, Rob Boos of ISA can view all the systems at a glance via the Priva Building Operator app. "The Priva system works very intuitively. I can use it to monitor the systems and adjust them according to the wishes of our organisation," he says.

"Previously, there were a large number of separate control boxes," explains Martijn Loeffen. "You couldn't see from the outside whether a heating system was heating or cooling. Now, everything is linked together. You can call up any system in the app and see what's happening. This means that the energy flows are visible and the temperature can be managed better. Both heat and cold can be transported from one system to another."





STATE-OF-THE-ART SPORTS AREA

In 2018, ISA expanded the existing sports hall with a fitness room, a canteen and a high-end gym equipped with every comfort. An automated partition divides the room in two when required. "In each half of the sports hall there is a Priva comfort controller on the wall: the Touchpoint," says Martijn Loeffen. "This allows the teacher to adjust the temperature and ventilation in the sports hall. But he/she can also use it to turn the lighting on or off, activate the partition, adjust the height of the basketball hoops and operate the sun blind."



ALWAYS INFORMED WITH PRIVA ALARMS

The International School of Amsterdam is equipped with Priva Alarms, a solution that sends any failure in the system through to the Priva Building Operator app. "If a heat pump or sensor fails, within a minute I will get a message on my phone," says Martijn Loeffen. "Who receives these messages, and when? We can adjust those settings how we like. Yesterday I got a phone call and was told to put the school in holiday mode. I was able to do that very quickly using the app."



ENERGY-EFFICIENT TOTAL PACKAGE

Priva's systems work with the latest energy-saving technologies, such as heat recovery. There is no question that ISA is saving energy as a result. But how much? "The refurbishment of our systems took place shortly after a considerable expansion of the building," explains Rob Boos. "That makes it difficult to precisely determine the energy saving. I estimate there's been a ten percent reduction in energy consumption." Quintess replaced the last air handling unit in 2019. The entire HVAC system in the International School of Amsterdam is now being managed with Priva equipment.

PRIVA

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