



Grundfos air-conditioning pumps economical and environmentally friendly

Sophisticated air conditioning systems are by far indispensable amenities at office buildings, as multinational corporations are always keen to create a comfortable environment inside their premises and facilities.

The German University in Cairo, which is located in New Cairo where the climate is rather harsh and air is increasingly dusty, was seeking to make its central air conditioner more energy efficient and environmentally friendly. Grundfos managed to come up with the appropriate solutions to fulfill the reputable university's needs.

The Situation

The German University in Cairo first installed a central air conditioner that was consuming a lot of electricity, because its performance didn't depend on a thermostat.

The performance invariability was a serious drawback, as the density of students varies widely from one day to another. The lecture attendees could only be a couple of students or over one hundred.

The density, of course, is directly related to the temperature of the room, therefore the performance needed to be variable so as the air conditioner doesn't run at full capacity when rooms are not crowded, and the other way around when the building is bustling with people.

Another problem was that the university neither had a tactician nor a consultant, so maintenance was a bit of a dilemma, not to mention the poor design of the vents and air ducts.

GRUNDFOS PROVIDED

- › An environmentally friendly air conditioning system.
- › Remarkable reliability and less power consumption.
- › An automatically adjustable air conditioning system performance.



The Grundfos Solution

Grundfos provided the German University with four built-in TBE pumps as well as CR32-3 pumps with delta central 2000. After the installation, the air conditioner performance has become automatically adjustable in accordance to the temperature and the density of people inside classrooms. The plantation of the new pumps was definitely proven to be the perfect solution.

Now the German University's air conditioning system is perceived to be ideal. It saves money and its electricity consumption is far less than before, which relatively cuts exhaust emissions.

Grundfos professional consultants also enhanced the design of the vents, and made it more prestigious and decorative.

Furthermore, the package that Grundfos offered included fire pumps supplied by ABCO Peerless Fire Suppression Corporation, a Grundfos company, in addition to H1000 water pressure boosters.

The Outcome

The German University was eager to make its air conditioning system as environmentally friendly as possible, and Grundfos is always committed to corporate social responsibility. For this reason, both parties were on the same page.

Not only were the university's officials satisfied with the performance improvement, but were also relieved to know that the maintenance of new equipments is quite simple and cost effective. They also voiced their satisfaction over the new contemporary design of the vents.

PRODUCT DATA

- › TPE variable speed cooling pumps.
- › CR32-3 with Delta control 2000-MF.
- › Hydro 1000 booster.
- › Fire fighting UL/FM Peerless set.



TESTIMONIALS



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