MITSUBISHI HEAVY INDUSTRIES AIR CONDITIONING EUROPE, LTD.

MHI GROUP MITSUBISHI HEAVY INDUSTRIES

Case Study: Student Accommodation

Two Q-ton's installed at DUWO student accommodation in Leiden

Fact File

Project:	DUWO Student Accommodation
Project outline:	Replace existing gas fired boiler
Installer:	Vink Installers
Distributor:	Coolmark BV
Products:	Two MHI Q-ton system One 1,500 litre sanitary hot water storage tank

DUWO specialist in studentenhuisvesting

Coolmark KENNIS VAN KOELING

VINK INSTALLATIE GROEP

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DUWO is the largest corporation in student accommodation in the Netherlands and operating in the urban agglomeration (Randstad) and middle of the Netherlands.

The student accommodations located in the centre of the university city of Leiden was identified by DUWO to install their first two Q-ton CO_2 heat pumps from MHI.

The building consists of identical blocks, each accommodates 160 students and consumes 10,000 litres of sanitary hot water per day.

One part is still utilising a gas boiler, while the other part is using the MHI's Q-ton system to supply the domestic hot water to the students.

DUWO's main reasons to install a highly efficient system was to make sustainable solution instead of using gas and to improve the efficiency and reliability.

The Q-ton solution from Mitsubishi Heavy Industries was installed by Vink installers. Q-ton is not only used for the supply of the sanitary hot water but also to reheat the distribution circuit in the respect of the local anti-legionella regulation.

DUWO in the city of Leiden is very pleased with the results as the efficient stand alone MHI Q-ton solution produces enough hot water at all times of the day under cold climate conditions making this convenient for students.