Aquifer Thermal Energy Storage (ATES) system with heat pumps for IFTech

IFTech International supplies cold / heat storage systems with heat pumps, also known as Aquifer Thermal Energy Storage (ATES) systems. The heat pump centre part (called Heat Pump Skid (HPS)) is developed as a standard component and will be delivered as a whole for ATES projects abroad. The control panel can be combined with a heat pump and a source system providing both cold and heat to buildings, homes, greenhouses and industry. The HPS is made in such a way that different units can be placed in cascade.

Logisticon recently built and tested two of these HPS systems for IFTech in a hospital project in Spain. Aquifer Thermal Energy Storage with heat pumps in the subsurface makes it possible to significantly reduce the use of fossil fuels for heating and cooling. The potential savings ranges from 70 to 80% on the consumption of electricity for the cold generation up to 20 to 40% on the consumption of gas or oil for heat generation. This also means cost savings for environmental objectives such as CO2 reduction.

These ready-built and tested installation (plug & play) are used to respond quickly to questions from the market.

Logisticon Water Treatment B.V.
Energieweg 2
2964 LE Groot-Ammers, The Netherlands