Energy efficiency potential through AHRI in district cooling

The Air-Conditioning, Heating and Refrigeration Institute

AHRI (The Air-Conditioning, Heating and Refrigeration Institute) administers the only third party performance certification programmes for plate heat exchangers. AHRI certifies and validates thermal performance to ensure that heat exchangers perform according to specifications.

The Varso building complex in Warsaw, Poland reaches 310 metres high. Highly efficient Alfa Laval heat exchangers cater for all of Varso's HVAC needs, and enable the heating and cooling system to save energy and thereby reduce CO₂ emissions.

The global efficiency potential of AHRI-



Reduced energy demand



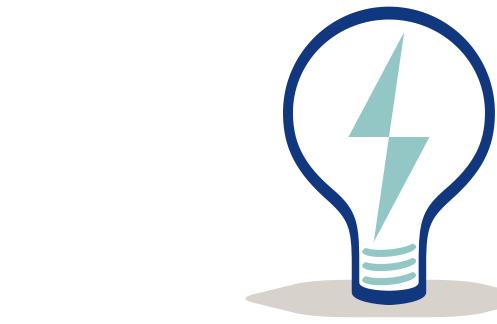
Our total installed AHRI-certified plate heat exchangers in district cooling:



Annual electrical power savings 459 GWh



Energy demands of cooling 210,000 Singaporean homes



Annual electrical power savings **164 TWh**



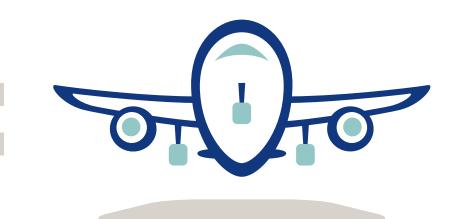


Annual output of 16,500 wind turbines



Annual emissions reductions 215,000

tonnes



Emissions produced by

800 flights from London to New York



Annual emissions reductions

80,000,000 tonnes



Annual emissions of Miami, Florida **United States**

