



CASE STUDY

INDUSTRY: TEXTILE



CUSTOMER: TDV Industries

LOCATION: Laval, France

BACKGROUND: TDV Industries is one of the largest European manufacturers of fabrics for work wear and protective clothing.

SCOPE OF WORK: Armstrong International supplied one 1758 kW, model 600 Flo-Direct® Complete Thermal Exchange (CTE) gas-fired water heater capable of heating 21.2 m³/hr of water from 50°F to 185°F (10°C to 85°C). Armstrong replaced the existing steam to hot water heat exchanger to provide extra capacity at optimum efficiency.

BENEFITS: TDV Industries recognized natural gas savings in excess of 35% and CO₂ savings of 700 tons per year. Their return on investment for the complete project was under 18 months. TDV Industries enjoyed an increase in production capacity without having to purchase a new steam boiler. Armstrong's Flo-Direct® enabled the recovery of heat from the process, not previously possible and consequently, making considerable savings on the cost of treating 10,000 m³ of waste water per year.



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