

Case Study

Vickers Energy Management System



Logistics service provider







About the logistics service provider

At the end of 2014, Sprinx partnered with one of the world's biggest players in the logistics sector – there are seven locations in the Benelux (five of which are warehouses). The sites offer a various logistic services, including storage, distribution and Value Added Services such as packaging and labelling products.

The organisation is aware of its responsibility for the environment and is very devoted to reducing its environmental footprint. To contribute to an improved air quality, the company has invested in a more economical fleet with the purpose to cut its vehicle's toxic emissions. Next to that, the implementation of energy saving systems must reduce the gas, energy and water consumption of the warehouses and make them more sustainable.

Achieved results

South Holland Limburg

	41%	62%	SAVING
	12.480 m³	20.179 m³	GAS
	22.214 kg	35.919 kg	CO ₂
	1,59 years	2,15 years	PAYBACK TIME



“Last winter, Sprinx installed the Vickers EMS in a number of warehouses within our Dutch concern. Since then, we have achieved average gas savings of 50%, which greatly exceed the contractually guaranteed savings of 25%! Sprinx carries the responsibility and we do not run any risks. We are very satisfied with this product and the service from Sprinx and we are looking into national and international expansion!”

Manager Facility & Procurement

Our challenge

The concern was interested in the abilities of the Vickers EMS and wanted to know how much gas the system could save them. Consequently, we were asked to perform technical surveys in all Dutch sites to calculate the potential gas and carbon savings and the payback times.

Two warehouses in the Dutch provinces of South Holland and Limburg were suitable for the installation of the Vickers EMS. The buildings, with a size of 9.750 m² and 30.000 m² respectively, have 13 gas fired heaters in total. In December 2014 and February 2015, Sprinx installed two Vickers systems on site. The calculated payback time for both locations was 1.6 years.

Substantial savings since implementation

Thanks to the Vickers EMS, the heaters on both locations are now controlled intelligently to fully utilise the generated heat and save gas. Since installation, Sprinx

has achieved savings of 52% through the two systems. This comes down to 41% for the location in South Holland and no less than 62% for the location in Limburg, after a degree days correction. In volumes, a total of 32,700 m³ gas was saved.

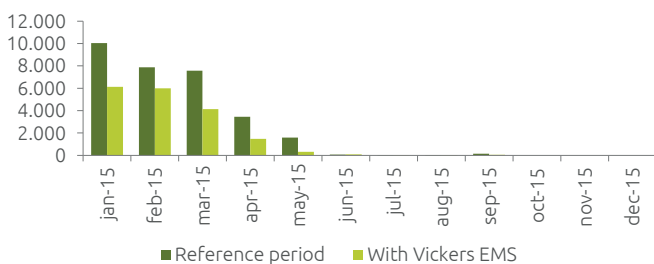
According to the client, the excellent results provide enough reason for rolling out the Vickers EMS within the global organisation.

Meanwhile, Sprinx has installed the Vickers EMS at another location in the Dutch province of Flevoland and one location in Dublin, Ireland. Moreover, we recently started performing the first surveys in one of the company’s 24 warehouses in Germany.

NB: Because the gas consumption of heaters is weather dependent, Sprinx adjusts the savings based on the average outdoor temperature during a specific period, otherwise known as degree days. This provides a realistic view of the savings effectively achieved by Vickers EMS.

Gas consumption with and without Vickers EMS (in m³)

South Holland



Limburg

