

“Salaspils Siltums” was founded in December 1996. Since the 2010 the company improved energy efficiency of the heat sources and heat transportation fast and purposefully. Heat network was fully reconstructed and high-efficient gas boilers were installed to achieve sustainable goals of the company. A woodchip boiler house was constructed to gain energy independence. On the next development stage, the woodchip boiler has been updated with the flue gas condenser, automatic control system and remote data reading system.

The company accurately controls and analyses consumption of resources, as evidenced in International Energy Management LVS EN ISO 50001:2012 Certificate.



Fig. 1 Woodchip boiler house (2012 and 2016)



Fig 2 Heat power plant control system (2015 and 2016)



Fig 3. Gas boiler (2010 and 2016)

“Salaspils Siltums” provides district heating to households, municipal institutions and business customers in cities Salaspils and Saulkalne. About 85% of population in Salaspils use district heating.

In the year 2016 “Salaspils Siltums” has delivered 58382 MWh of heat to consumers. Total length of the heat network in Salaspils is 20.3 km.

	Transferred heat, MWh	Delivered heat to customers, MWh	Heat losses, MWh	Relative losses, %
2010	76448	63739	12709	16,62
2011	67190	52426	14764	21,97
2012	69855	58911	10944	15,67
2013	67128	57600	9528	14,19
2014	63009	54584	8425	13,37
2015	61066	52939	8127	13,31
2016	65166	58382	6784	10,41

“Salaspils Siltums” are producing heat from wood chips and natural gas. Until November 2012 heat was produced only from natural gas, what has been additionally purchased from neighbouring CHP plant.

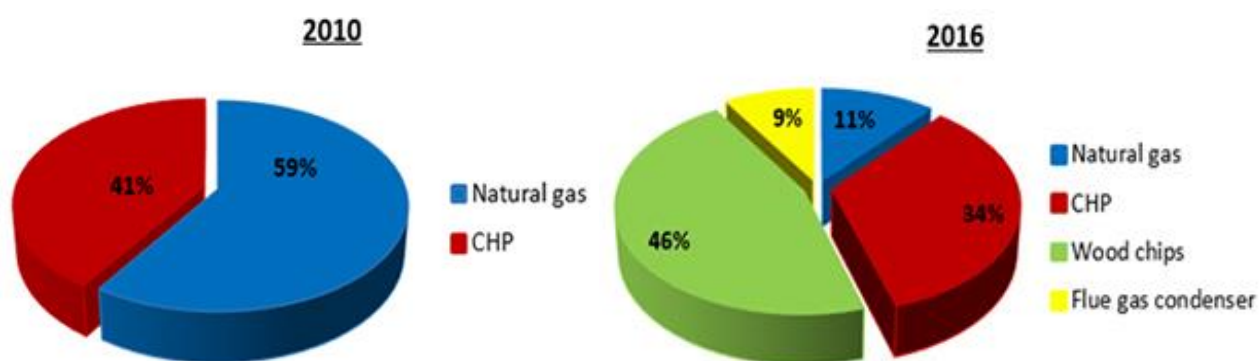


Fig 4. Fuel diversification

Heat production

Boilers	Year of exploitation	Power, MW	Fuel
High-quality Vapor TTKV-100-100 hot water boilers	2011	10	Natural gas
High-quality Vapor TTKV-100-100 hot water boilers	2014	10	Natural gas
High-quality AGRO Forst&Energietechnik GmbH hot water boilers with flue gas condenser	2012/2015	7+1,68	Wood chips
High-quality ULIMAT UT-L24 hot water boilers	2017	3	Natural gas