

KAUNAS – Waste-to-Energy
Lietuvos Energija / Fortum – Lithuania



SECOLAB®
Flue Gas Condensation
Combustion Air Humidification

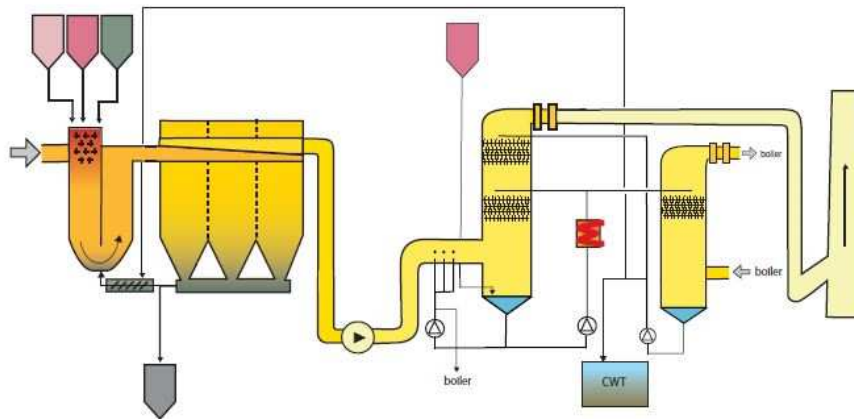
Incineration:	Waste
Installation:	New plant
Capacity:	25 t/h
Upstream Components:	Grate, SNCR, steam boiler

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LIETUVOS ENERGIJA / FORTUM – Lithuania

Client	Operator	Start up
Lietuvos Energija / Fortum	FORTUM	2020

TECHNOLOGY



SecoLAB® Flue Gas Condensation Combustion Air Humidification

PERFORMANCE

Raw Gas / Guarantee		
Volume flow	168.000 Nm³/h wet	
Temperature at FGC inlet	160 °C	
Dust	3000	4
HCl	1000	7
SO ₂	600	36
HF	7,5	< 0,9
Hg	0,3	0,018
Heavy metals	145	0,45
Cd + Tl	-	0,018
Dioxins / Furans	7	0,09
NH ₃	8	5
Heat Recovery	17 MW	

Flue Gas Cleaning Technology:

- SecoLAB® dry process for acid gases neutralisation and heavy metals / dioxins treatment
- Flue Gas condensation combined with combustion air humidification
- Acid quench as polishing scrubber

All Pollutants in mg/Nm³, dry gas, corrected at 11 Vol.% O₂ except Dioxins in ng/Nm³

FEATURES



- 2 steps packed condenser scrubber
- On-site lime slaker to produce hydrated lime from quick lime

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