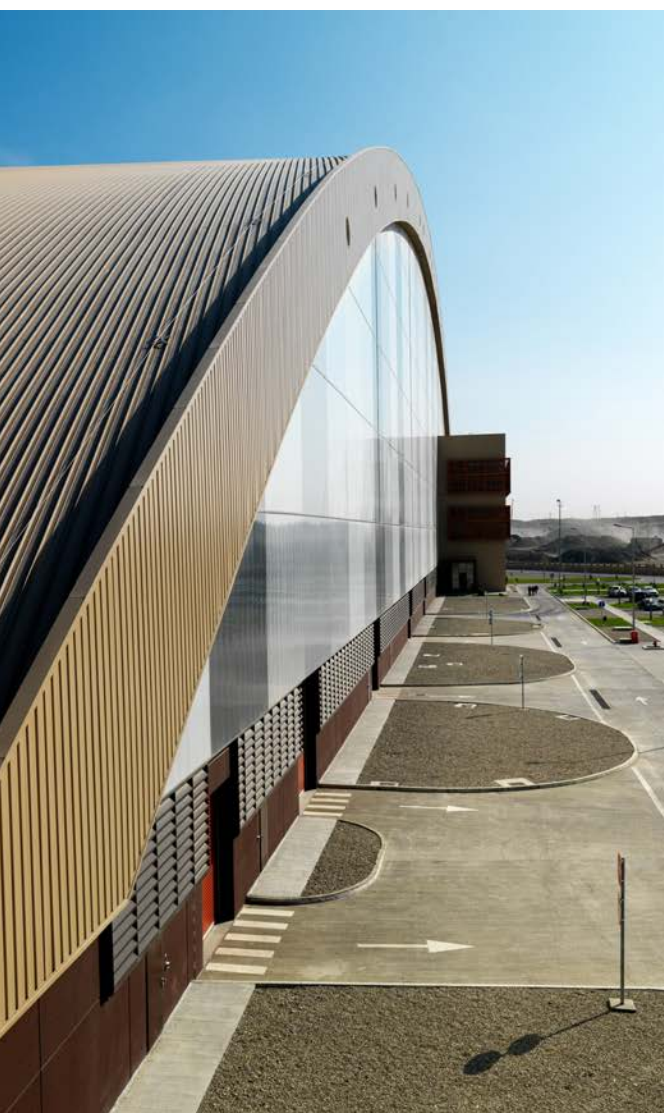


AZERBAIDJAN GOVERNMENT - BAKOU

WASTE-TO-ENERGY PLANT, BAKOU (AZ)



Key information:

- Installation: New Plant
- Capacity: 2 x 33t/h
- Upstream Components: Grate, SNCR, Steam Boiler
- FGC process: Semi-SecoLAB™
- Commissioning: 2012

TECHNICAL HIGHLIGHTS

- FLEXIBLE AND EFFICIENT PROCESS
- FLUE GAS EMISSIONS FULLY IN ACCORDANCE WITH THE EU DIRECTIVE
- ZERO WATER DISCHARGE
- 2 IDENTICAL FLUE GAS LINES



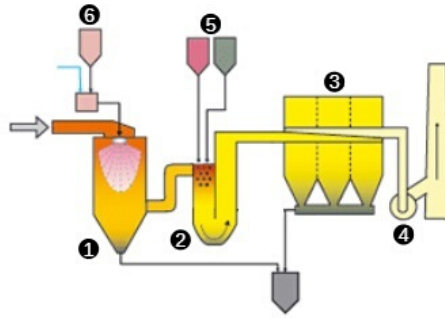
CNIM

BAKOU

SEMI-DRY SYSTEM

The SemiSecoLAB™ system installed on Bakou plant is divided in 3 steps:

- Lime slurry is injected in the Spray Dryer Absorber for acid gases neutralization.
- Activated carbon is injected in the LABLoop™ reactor for removal of heavy metals and dioxins/furans.
- Flue gas pass through efficient Bag House Filter for final treatment.



- 1 Spray Dry Absorber
- 2 Lab Loop Reactor
- 3 Bag filter
- 4 ID Fan
- 5 Reagents (Activated carbon / Lime)
- 6 Lime slurry

Volume flow	2 x 172'000 Nm ³ /h wet	
Inlet Temperature	190°C	
Pollutants (mg/Nm³)	Before FGT	After FGT
Dust	3900	7
HCl	1000	10
SO ₂	250	50
HF	5	1
Hg	0,5	0,05
Heavy metals	100	0,5
Cd + Tl	1	0,05
Dioxins / Furans (ng/Nm ³)	5	0,1



The facility, which takes its architectural inspiration from Azerbaijan mashrabiyas, is the 150th built by CNIM. Consisting of two 33 t/h incineration units, the plant can treat 500,000 tons of household waste and 10,000 tons of hospital waste per year.



The 231,500 MWh electricity produced by heat generation supply the equivalent of more than 50,000 households.



To learn more about us visit our website www.lab.fr



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