

# IZMAIL COMBINED CYCLE POWER PLANT

**Project owner:**

OJSC “Yuzhnaya Generiruyuschaya Kompanija”

**Chief Designer:**

OJSC “DneprVNIPIenergoprom”

**Location:** Ukraine, Odessa region, Izmail

**Project commence:** 2007

**Construction period:** 3 years

**Active operation cycle:** 25 years

**CapEx:** EUR 261.7 Mio (as at 02.02.2009)



**Project description:**

Construction of the Combined Cycle Power Plant (CCPP) in the city of Izmail (Odessa region) first of all is aimed at energy supply of the region. It would eliminate the dependence from energy supply from Moldova. Technology used in the project is highly effective and allow to provide the consumers with uninterrupted power supply. Aside from that the CCPP has a much better ecology effect than acting energy generating plants.

Izmail Power Station will produce electrical and heat energy (in the form of hot water and steam). The location of it will greatly benefit Odessa region, which currently suffers from energy shortfalls and low levels of energy usage for the electrical energy distributed, underscoring the massive need for the power station.

**Project Status:** Currently the Project owner has obtained the site in lease for the plant construction, has the positive conclusion of State Examination Agency on the "Project" stage documentation and has signed the contracts for turbines and other equipment supply.

## MAIN TECHNICAL FIGURES

Description	Measurement Unit	Value
Estimated Capacity:		
• electrical	MW	268
• heating	W (GCal/h)	153.5 (132)
Annual electrical power supply	Million of kWh	1923.14
Annual heating power supply	Thousand GCal	103.06
Specific consumption of equivalent fuel:		
• for electrical power supply	g of e. f./kWh	160.00
• for heating power supply	kg/Gcal	241.45
Annual fuel consumption (Natural gas, Q=8500 kCal/nm <sup>3</sup> )	Million of nm <sup>3</sup>	395.99
Maximum natural gas consumption	nm <sup>3</sup> /h	55 600

Investment parameters	Value
Total investments	EUR 261.7Mio
IRR, (Internal Rate of Return)	16.6%
NPV	EUR 280.3 Mio.
PBP	10 years

«

».

:  
 « »  
 :  
 « »  
 :  
 , .  
 : 2007 .  
 : 3  
 : 25  
 : 261.7 .  
 ( 02.02.2009 )



( ) .

).

(

•	:	268
•	( / )	153,5 (132)
	.	1923,14
	.	103,06
•	:	
•	/	160,00
	. . . /	241,45

( , Q=8500 / 3 )	. 3	395,99
	3/	55 600
		EUR 261.7 .
IRR, (Internal Rate of Return)		16.6%
NPV		EUR 280.3 .
PBP		10