



NPE TECHNOLOGY INNOVATION

Treatment of 99.88 % of CO2

Clean Energy € 35.00/MWh

GIANNI SOGLIA CEO

New Power Energy Kft





New Power Energy kft



Agriculture



Automotive



Industrial Chimneys



Incinerators



Shipping sector

NPE TECHNOLOGY APPLICATIONS



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ALTBACH POWER PLANT

Power: 1036 MW (783 MW coal, 253 MW gas)

Emissions: 3,130,000 t of CO₂/year



Address: Industriestraße 11, 73776 Altbach, Germany

**WITHOUT NPE TECHNOLOGY
ALTBACH POWER PLANT EMITS
3,130,000 t OF CO2/YEAR**

ETS € 120/t of CO2

ETS PAID BY ALTBACH POWER PLANT TO EUROPE PER YEAR

€ 375,600,000

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**WITH NPE TECHNOLOGY
SALE AND INSTALLATION OF NPE KIT FOR THE
OWNERS OF THE POWER PLANT**

ETS PAID BY ALTBACH POWER PLANT TO EUROPE PER YEAR

€ 563,400

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**SALE AND INSTALLATION OF NPE KIT ON
THE CHIMNEY OF THE POWER PLANT**

€ 40/t of CO2

€125,200,000 / 3,130,000 t of CO2/YEAR = € 40/t of CO2

NPE TECHNOLOGY KIT SALE PRICE

€ 125,200,000

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**ACTUAL COST OF NPE TECHNOLOGY KIT FOR THE
HOLDER OF THE Know-How**

ETS € 18/t of CO2

NPE TECHNOLOGY KIT ACTUAL PRICE

€ 56,340,000

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NPE KIT SALE AND INSTALLATION ON THE CHIMNEY OF THE POWER PLANT

€ 40/t of CO₂

€125,200,000 / 3,130,000 t of CO₂/YEAR= € 40/t of CO₂

NPE TECHNOLOGY KIT SALE PRICE

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ACTUAL COST OF NPE TECHNOLOGY KIT FOR THE HOLDER OF THE KNOW-HOW

ETS € 18/t of CO₂

NPE TECHNOLOGY KIT ACTUAL PRICE

€ 56,340,000



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NPE TECHNOLOGY WASTE

CLEAN ENERGY PRODUCTION

**Energy produced in a year for each plant
NPE KIT installed 175,200 MWh/year
with two 10 MW-turbines**

SALE OF CLEAN ENERGY TO THE GRID

EURO 35/MWh

**Earning in a year
Euro 6,132,000**



New Power Energy kft

NPE TECHNOLOGY WASTE

NPE Technology waste is first treated then burnt to generate energy at € 35/MWh in an incinerator whose flue gas is rechanneled in NPE Technology's closed circuit.

All NPE Technology components have been on the global market for over 40 years, chemical compounds included.

NPE Technology components come with safety certification compliant with European requirements.



New Power Energy kft

NPE TECHNOLOGY

15 NPE KITS ARE ASSEMBLED IN 12 MONTHS - COMPONENTS ARE GLOBALLY AVAILABLE

- SALE AND ASSEMBLY OF 15 NPE KITS
- PURCHASE OF COMPONENTS FOR 15 NPE KITS
- NET INCOME (IN 12 MONTHS)
- ENERGIY SOLD TO THE GRID (€35/MWh)

EURO 1,878,000,000

EURO 845,100,000

EURO 1,032,900,000

EURO 7,008,000



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CERTIFICATE

 **PROAMBIENTE**
ricerca industriale e trasferimento tecnologico

 **TECNOPOLO BOLOGNA CNR**

In terms of **CO₂ emissions** (key parameter for the commissioning company, in order to establish the performances of the NPE air filtration system), the following must be considered the **final data** of the experimental campaign:

FINAL DATA OF THE EXPERIMENTAL CAMPAIGN

CO₂ concentration upstream NPE technology (**BEFORE THE NPE REACTOR**), i.e. measured at the outlet of the LPG-fuelled combustion generator: **12.33% (123,300.00 ppm)**.
(Ref.: Test Report n° PD22-00604).

CO₂ concentration downstream NPE technology (**AFTER THE NPE REACTOR**), i.e. measured at the outlet of NPE air filtration system: **0.0149% (149.00 ppm)**.
(Ref.: Test Report n° PD22-00604).

THE DEGREE OF CO₂ REDUCTION MEASURED DOWNSTREAM THE NPE REACTOR IS THEREFORE 99.88%

Bologna, 2022/03/03

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LINKS

- NPE Technology agricultural sector:
<https://youtu.be/xl9Rh9GelME>
(with English subtitles)
- NPE Technology energy sector:
<https://youtu.be/azm2TfXadGw>
- NPE Technology automotive sector:
<https://youtu.be/Cj8RgAVGxB8>





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