

CLEAG

Zero Emission

CLEAG Geothermal

Pilot Plant in Croatia

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Power Plays: Geothermal Energy in Oil and Gas Fields

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1. Geology

2. Technology

3. Possibilities in the USA

These conditions are in the Pannonian



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Geology

Heat Flow Map

 ← **Draskovec**

Thermal Water Drillings: Croatia, Austria, Slovenia, Hungary



Aquifer Properties – Around Draškovec-1

Lithology:	Sandstone ("Donja Ratka"/ Tertiary)
Thickness:	46 m (average), max. 230 m
Porosity:	24% (average)
Permeability:	21-54 mD (max 200 mD.)
Flow rate:	13.1 l/ s (artesian, bore Draškovec-1)
Formation temperature:	100 ° C
Salinity:	12 g /l TDS (NaCl/ HCO ₃)
Gas content:	3 - 3.5 Nm ³ / m ³
Gas composition:	94% CH ₄ , 6% CO ₂





Technology

CloZEdLoop Energy technology

Separation
CO₂



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Technology

Energy Output

Zero Emission

Reinjection of CO₂

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Oil/Gas Fields are Waterfields - Lin

- Can be reactivated
- Then run for decades profitably
- Provided there is a user of heat/ cooling in the neighbourhood

