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ADVANCED CCS/CCU CONSULTING SERVICES

TAKE ACTION AGAINST CLIMATE CHANGE

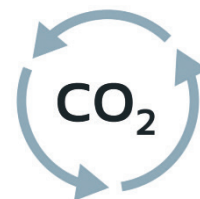
Climate change is one of the most pressing issues of our time, and urgent action is required to mitigate its effects. Carbon capture with permanent storage (CCS) and the utilisation of captured CO₂ (CCU) have emerged as powerful tools in this regard.

That's where the HOT Energy Group comes in: Our team of experts thoroughly assesses subsurface feasibility, challenges, and risks associated with CCS/CCU projects to help companies optimise their carbon capture and storage processes.

LEADING THE WAY TO A HEALTHIER PLANET

Solutions for a Greener Future

Are you looking for tailored solutions to identify, assess, characterise and optimise assets? HOT specialises in providing consulting services to a diverse range of clients – including oil, gas and energy companies, large CO₂ emitters and energy-intensive industries, as well as government and regulatory authorities.



FROM RESERVOIR ASSESSMENT TO UTILISATION

Our Services for Effective Carbon Management

Subsurface investigations:

- ▮ Determining data acquisition requirements
- ▮ Assessing geological conditions such as depth, overburden, caprock and reservoir
- ▮ Assessing the feasibility of CO₂ injection for EOR operations
- ▮ Assessing subsurface risks associated with CCS/CCU operations and identifying mitigation measures

Underground storage/sequestration:

- ▮ Identifying reservoirs and aquifers suitable for conversion into underground CO₂ storage (CCS/CCU)
- ▮ Describing, characterising and modelling reservoirs planned for conversion into underground CO₂ storage
- ▮ Determining caprock and sealing capacity
- ▮ Determining the capacity, injection and production profiles of CCS/CCU operations
- ▮ Determining location, trajectory and completion of CO₂ storage wells
- ▮ Assessing the impact of CO₂ stream impurities and identifying mitigation measures

Carbon utilisation:

- ▮ Describing, characterising and modelling reservoirs planned for EOR operations
- ▮ Detailed planning of CO₂ EOR operations to maximise recovery and revenue
- ▮ Providing advice on CO₂ pre-conditioning, injection and utilisation (e. g. for EOR applications)

WHY CHOOSE HOT

HOW WE CAN MAKE A DIFFERENCE FOR YOU

Extensive expertise & track record

With 35+ years of experience in oil & gas including EOR – and as one of the few consultancies with vast UGS expertise – we provide solutions to the complex challenges that these industries are facing.

Value-added laboratory services

Access to specialised laboratory facilities, extensive experience conducting various types of research, as well as in-depth knowledge of the industry's best practices enable us to deliver accurate results fast.

Outstanding quality

Our unwavering focus is on delivering exceptional quality – and we never compromise in this regard. We also prioritise risk mitigation and take proactive measures when working on projects for our clients.

Independent & unbiased consulting services

We take pride in our independence and commitment to delivering objective, unbiased information. HOT exclusively works with data and has no intention of selling any additional services or products.

LET'S STREAMLINE YOUR ACTIVITIES!

Contact us at: hot@hoteng.com

Or visit: www.hoteng.com

ABOUT US

The HOT Energy Group (HOT) is a trusted advisor for field development, enhanced recovery (IOR/EOR), underground storage and (deep) geothermal energy utilisation. More than 35 years of experience in underground gas storage (UGS) makes us the preferred partner for operators planning UGS, carbon storage & sequestration (CCS) and hydrogen storage facilities.

HOT's global footprint is supported by offices in Austria (Headquarters), Germany, Libya and the UAE and a network of alliance and representative offices.