



GUSTS v2

SIMULATION OF GAS THERMODYNAMICS IN SALT CAVERNS

GUSTS v2 is a software that simulates thermodynamic exchanges between gas, brine and rock mass in gas storages in salt caverns.

GEOSTOCK has put all its 50-year experience as an operator to the service of storage efficiency in developing, in partnership with ALYOTECH, a reliable, precise and efficient solution to be used with its expert services in tracking gas operations during both, construction and operational phases.

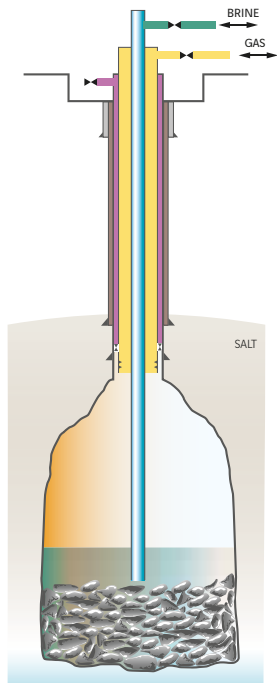
WHY?

- Defining a reliable and precise model of heat exchanges between the fluids present in the cavern and the massif.
- Tracking operations:
 - Inventory of gas storage
 - Analysis of recent movements
- Planning, in order to be in a position to respond to operational issues.

KEY BENEFITS



- Improved site performance
- Useable for various types of gas operations
- A large number of shared functionalities
- Reliability



MAIN CHARACTERISTICS

SIMULATION OF HEAT EXCHANGES BETWEEN GAS, BRINE AND THE ROCK MASS

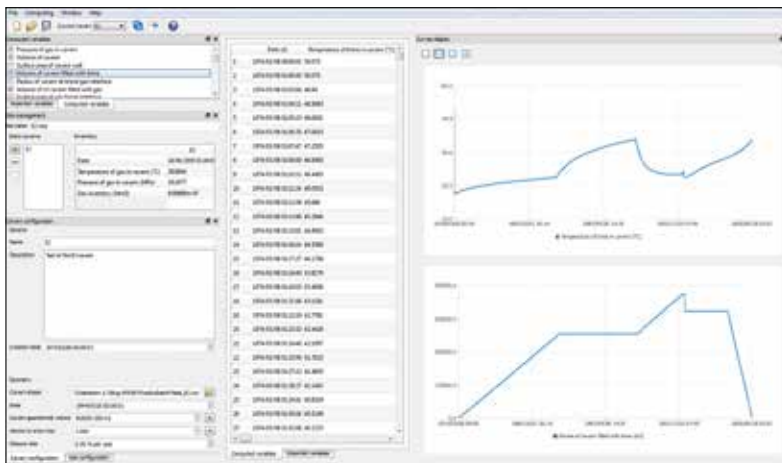
- In the well
- In the cavern

SETTING THE BACKGROUND

- Import of operational data
- Wide variety of adjustable parameters

PRACTICAL SOFTWARE

- Flexible choice of units
- Stoppage criteria
- Graphic display of results
- Export of results
- Possibility of using the results in the geomechanical calculation code



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Graphical user interface

