START-UP CENTRES IN GERMANY

The ZET, Centre for Energy and Technology in Rendsburg in northern Germany

Avant-garde and futuristic architecture creates an atmosphere which promotes innovation and fosters lively, in-depth exchanges of experience between the young businesses based in the building.

Pilot technology: geothermy

Geothermal heating consists of harnessing the geothermal calories present in the soil and releasing them into the building.

To harness the energy in the soil :

- Over an area of 600 square metres, 24 geothermal probes are invisibly sunk at a depth of 100 metres in the soil underneath the car park.
- The probes extract the ground heat, which is itself constantly renewed by the sun, the rain and the effects of the wind.
- The ground heat extracted by the geothermal probes is enhanced by the heat pumps which are located in the basement of the building.
- At the ZET, two heat distribution circuits provide all the heating required for the building's 3,600 square metres of floor space:
  - ➜ one static circuit = conventional radiators
  - ➜ one dynamic circuit = the ventilation system
- In summer, the circuit is reversed to cool the building.

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