



MONTPELLIER MÉDITERRANÉE

**Invests in a renewable energy to
heat and cool its passenger terminal
building in a sustainable way**

Geothermal heat pump

- Greenhouse gases emissions reduced (60 t of CO₂ a saved a year).
- Air pollution and thin particles emissions reduced (gaz and fuel combustion removed).
- Water consumption reduced for AC systems in summer.

PROBLEMS

In order to heat and cool its 20 000m² passenger terminal building, Montpellier airport used to run several boilers, burning fossil fuels, and 3 cooling towers, wasting a lot of water.

A SUSTAINABLE SOLUTION



► Geothermal heating and cooling solution consists in drawing tempered water located 30 meters deep in the ground and using it to cool down or heat up the airport's HVAC equipment topside. The water is then reinjected in the ground with no loss nor pollution risk.

► Extra heat pump systems are sometimes required in case of extreme heat or intense cold weather. The whole installation works with green electricity purchased with guarantee of origin, resulting in a complete elimination of air pollution or carbon dioxide emissions.



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