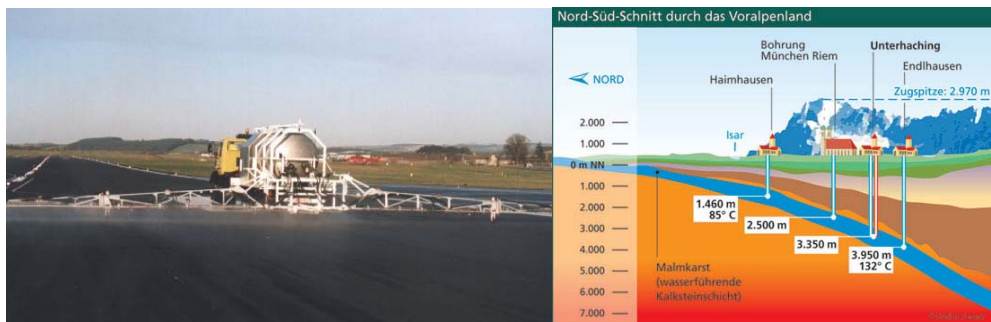


project name	“Franz Josef Strauss” Airport Munich – Geothermal and thermal runway deicing study		
client	Flughafen München, Munich (Germany)		
location	Munich (Germany)		
project duration	begin	may 2006	
	end	july 2006	

The airport Munich plans to build a new, third runway. Since runway deicing requires much time and reduces significantly runway availability, thermal deicing has been studied.

Near to Munich Airport, several geothermal and thermal water projects have been developed recently, since geological structures allow extracting water with up to 120°C (250°F). In order to control environmental impact deep and shallow geothermal energy has been assessed, with and without use of heat pumps.



conventional runway deicing (l), Munich geothermal potential (r)

responsibilities

feasibility study:

- definition of energy demand and sources
- assessment of energy sources availability and delivery capacities
- definition of the most promising energy systems
 - cost estimate and project schedule