

PVT AND GEOTHERMAL HEAT

INDEPENDENT AND GREEN HEAT FOR INDUSTRY AND RESIDENTIAL BUILDINGS

PHOTOVOLTAIC-THERMAL MODULES

- PV cells and thermal management: use of solar and environmental energy to provide electricity and heat
- Innovative heat exchanger enables more than 80 % overall efficiency
- 5-10 % more electricity yield compared to PV

GEOTHERMAL HEAT

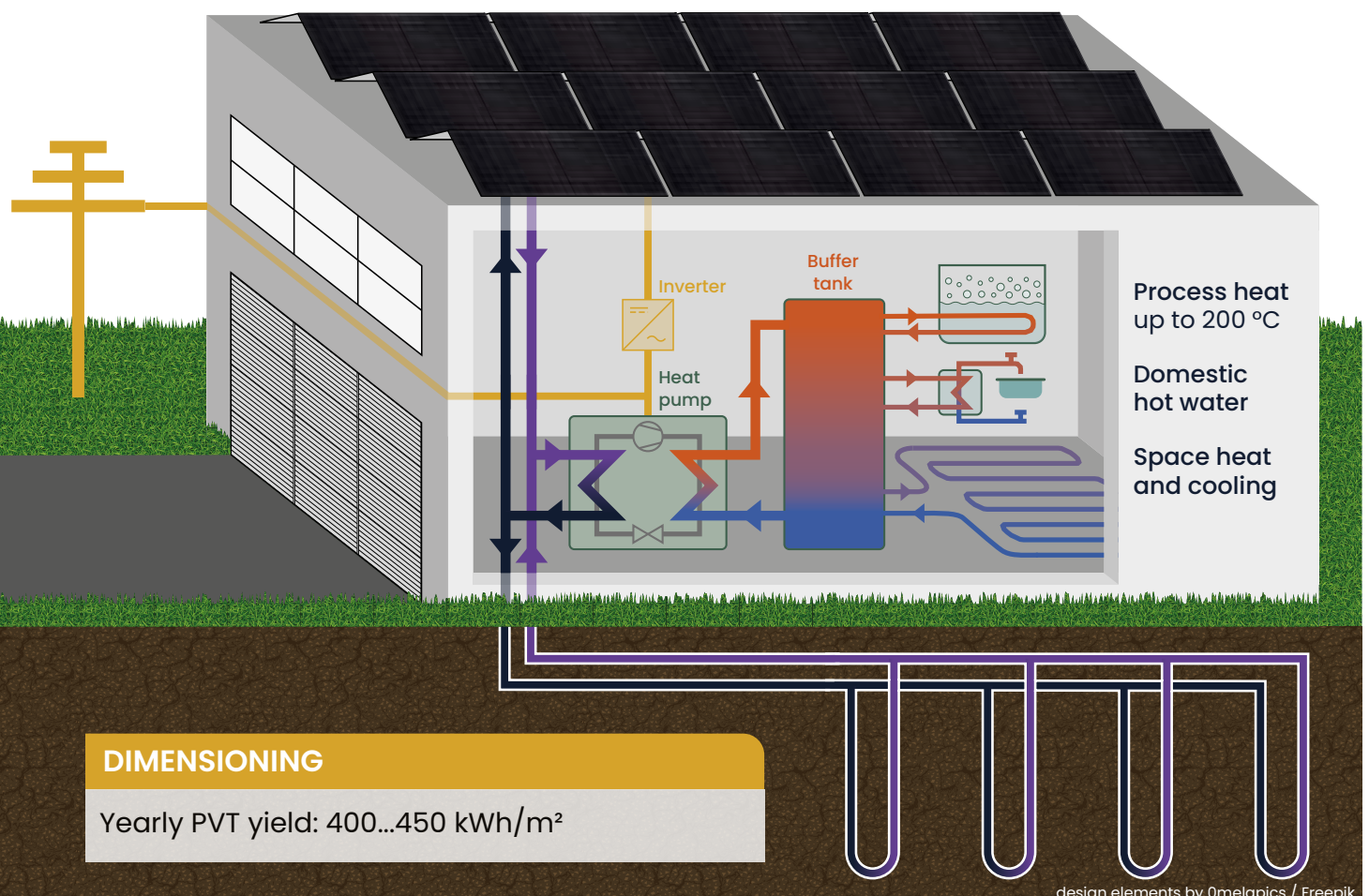
- Source and storage of low-temperature heat
- Constant temperatures all year for efficient heat pump operation
- Can be used with geothermal probes, baskets or collectors

GROUND REGENERATION

- Excess summertime heat from PVT is stored seasonally in the ground
- Significant reduction of invest in geothermal energy due to savings in borehole metres and smaller minimum borehole distances

BRINE HEAT PUMP

- Increases temperature to required level (up to 200 °C for process heat)
- High efficiency compared to air heat pumps due to combined sources, long-term sustainability



DIMENSIONING

Yearly PVT yield: 400...450 kWh/m²

design elements by Omelapics / Freepik

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