

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

GEO THERMAL HEAT

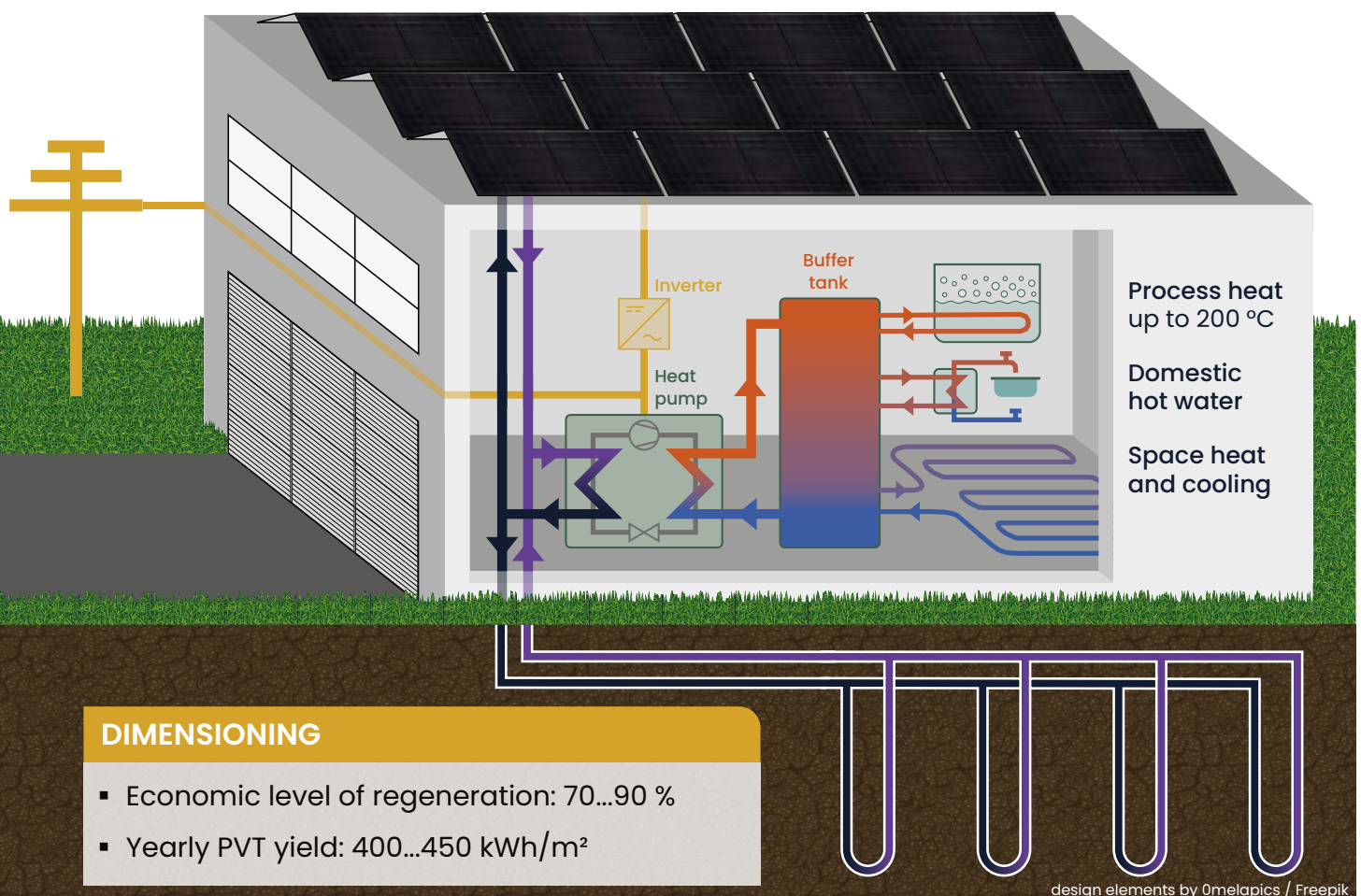
- Source and storage of low-temperature heat
- Constant temperatures all year for efficient heat pump operation
- Can be used with geothermal probes, baskets or collectors

REGENERATION OF THE GROUND

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

BRINE HEAT PUMP

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



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