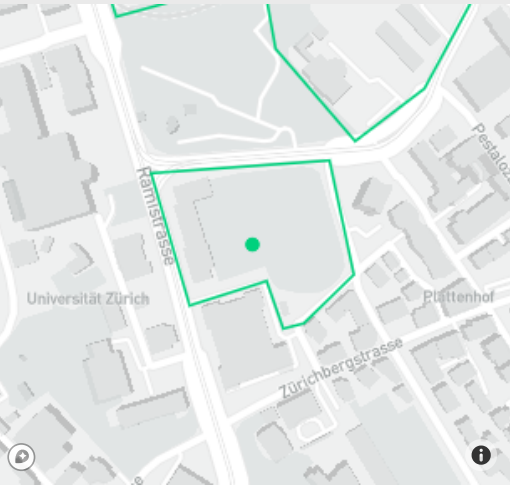


Optimal design and operation of scenario: PBD District_Building Scale Exec

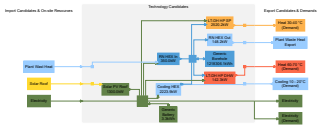


Optimal solution 1

926 k CHF
297.0 Tons

CO₂-eq
Green Premiums (GP)
0 CHF/Ton

This solution represents the energy system with the **minimum Costs** and has a Total Annualized Life-cycle Cost of 926 k CHF and Total Annual Emissions of 297.0 Tons CO₂-eq. The Annualized Green Premiums are 0 CHF/Ton CO₂-eq.

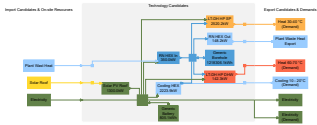


Optimal solution 5

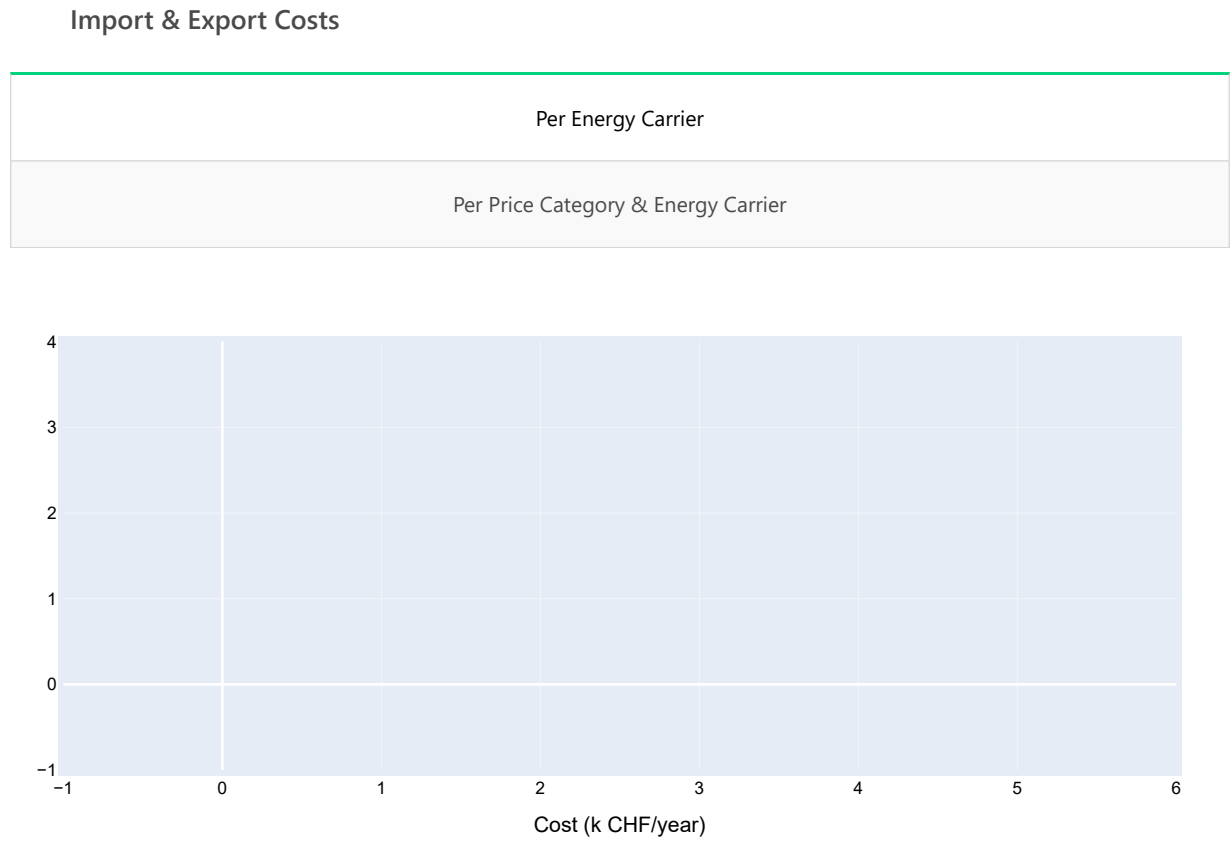
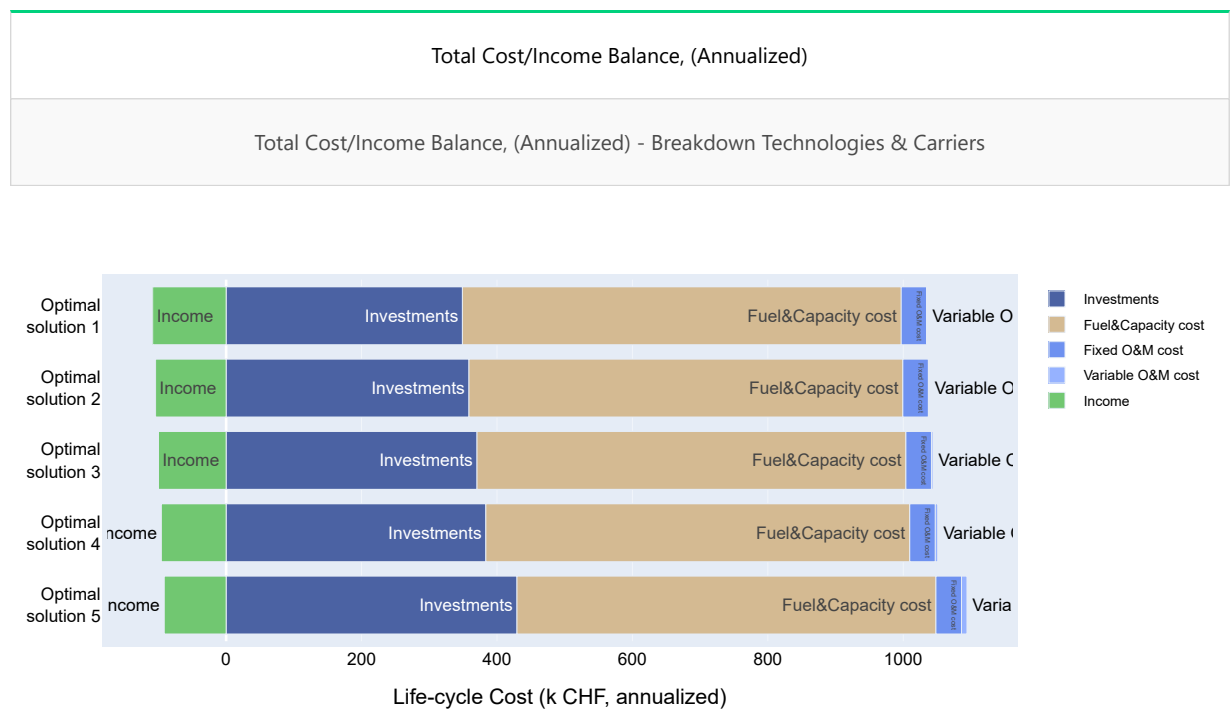
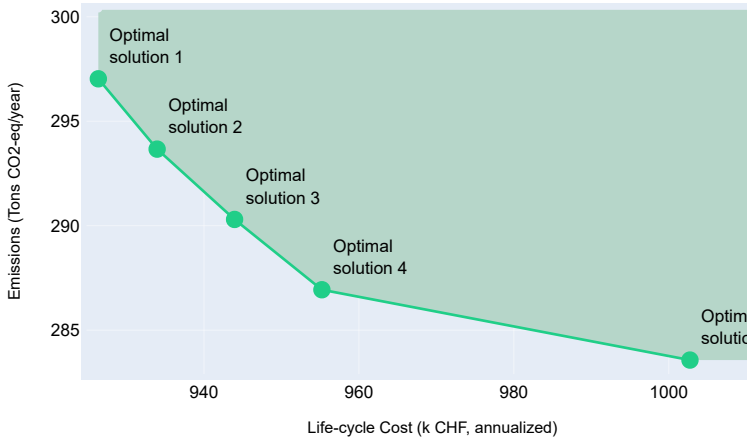
1'003 k CHF
283.6 Tons

CO₂-eq
Green Premiums (GP)
5'674 CHF/Ton

This solution represents the energy system with the **minimum Emissions** and has a Total annualized Life-cycle Cost of 1'003 k CHF and Total Annual Emissions of 283.6 Tons CO₂-eq. The Annualized Green Premiums are 5'674 CHF/Ton CO₂-eq.

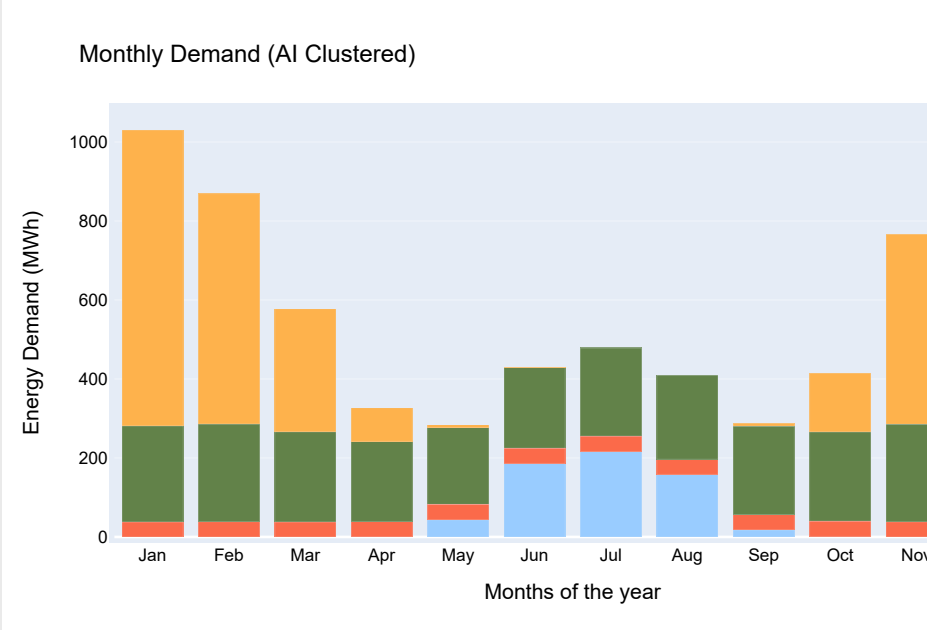
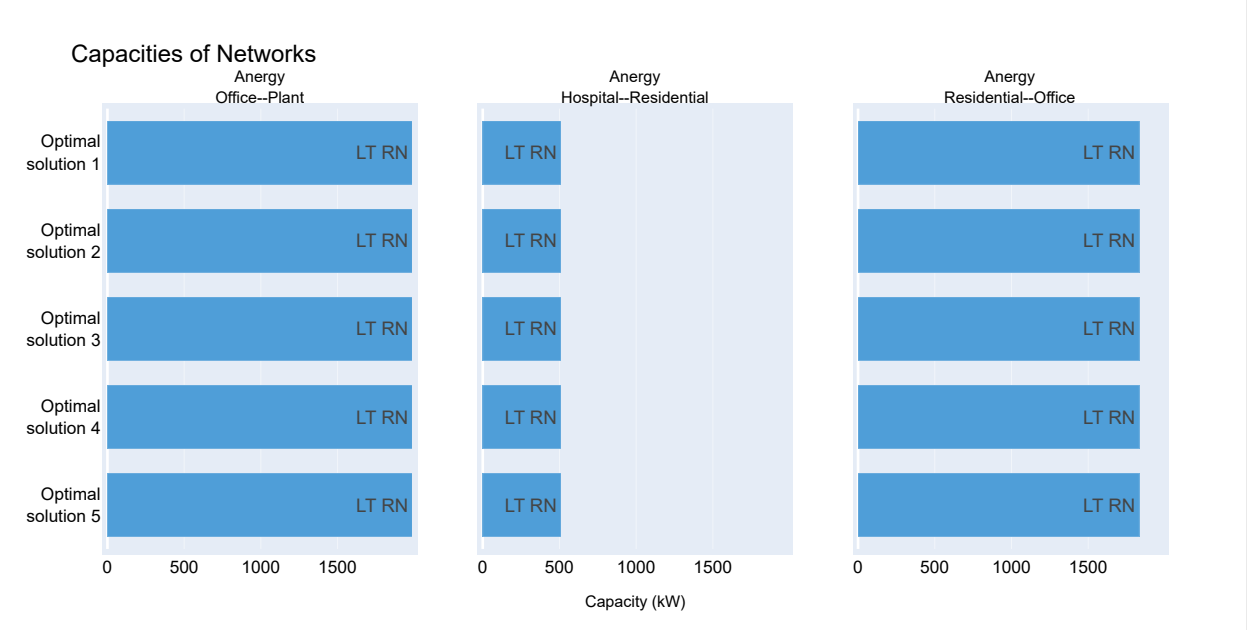
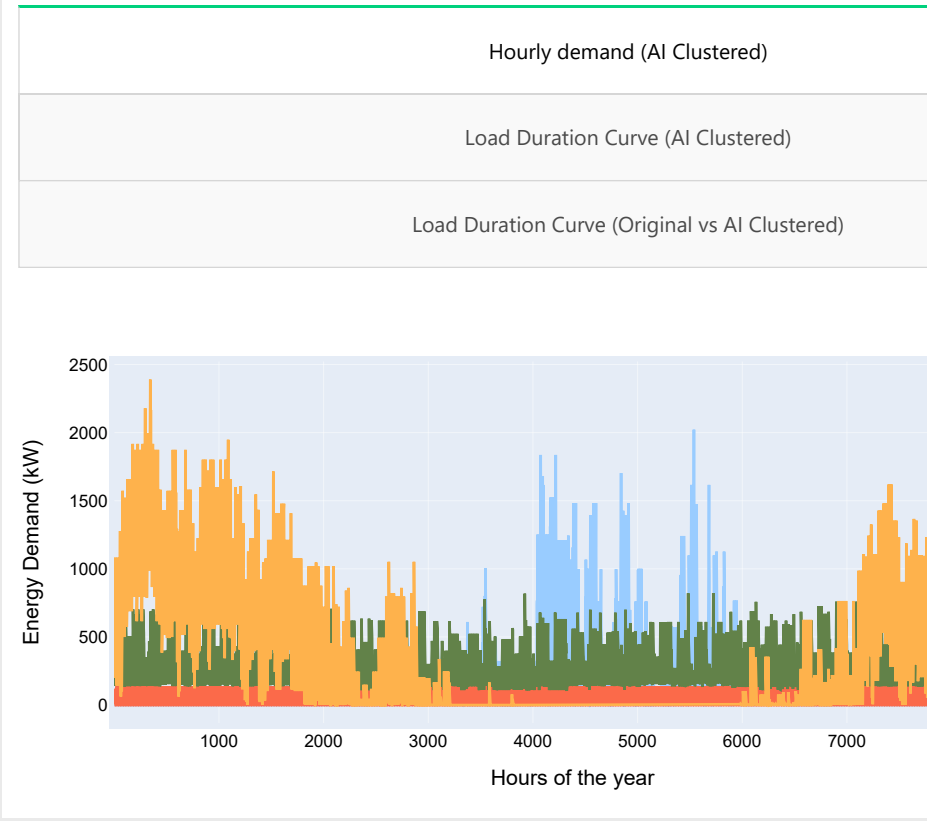
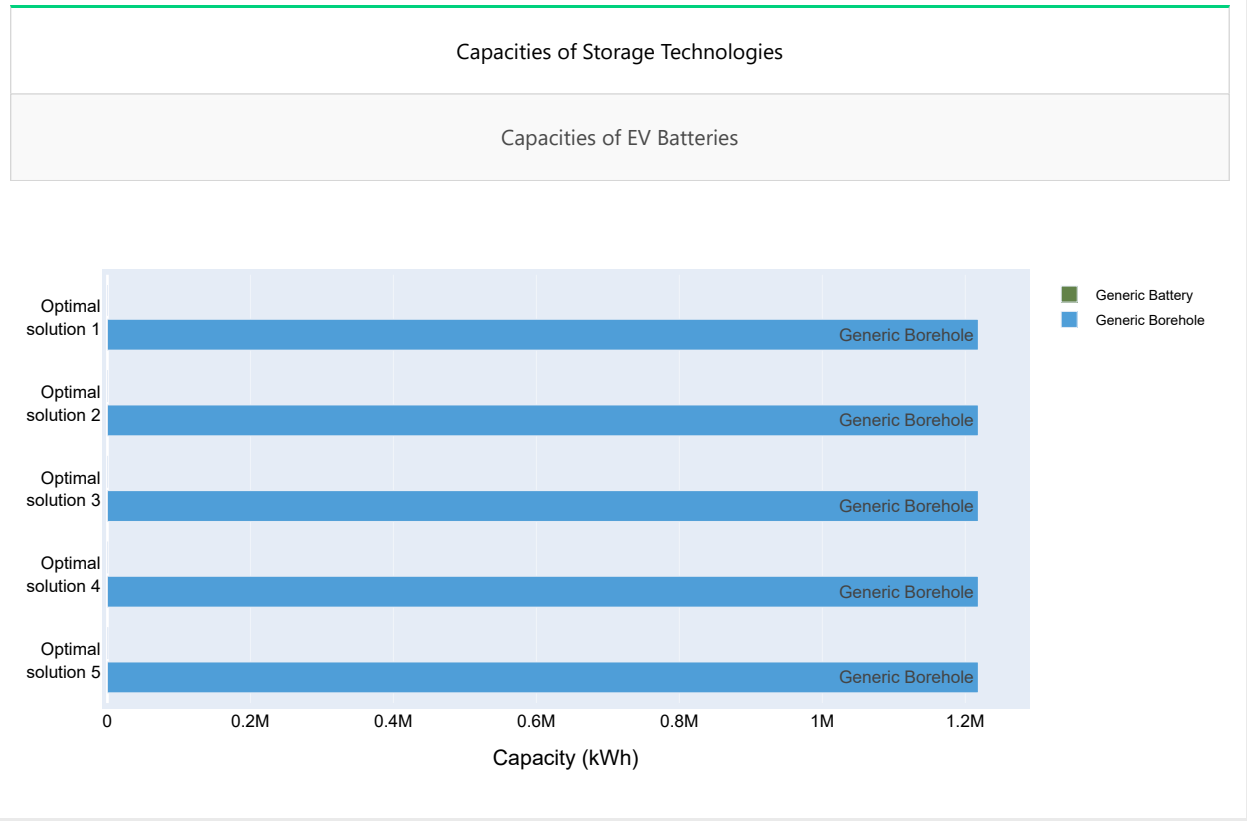
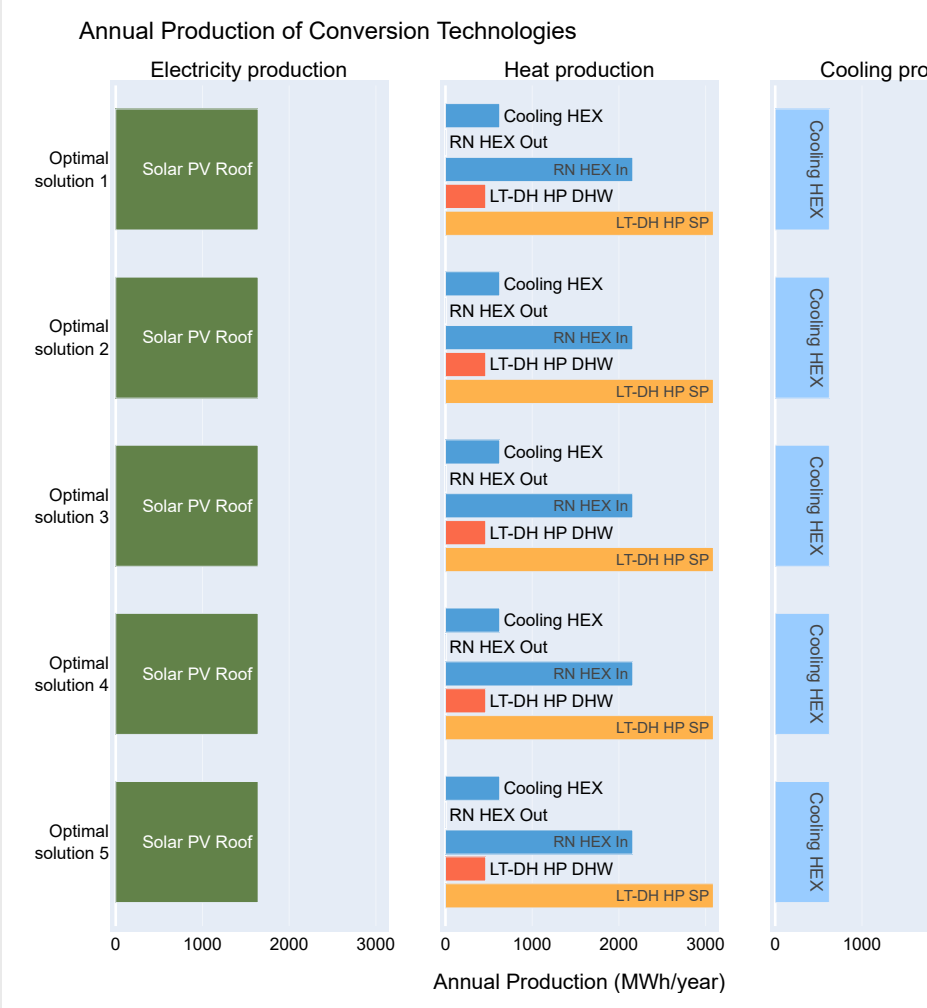
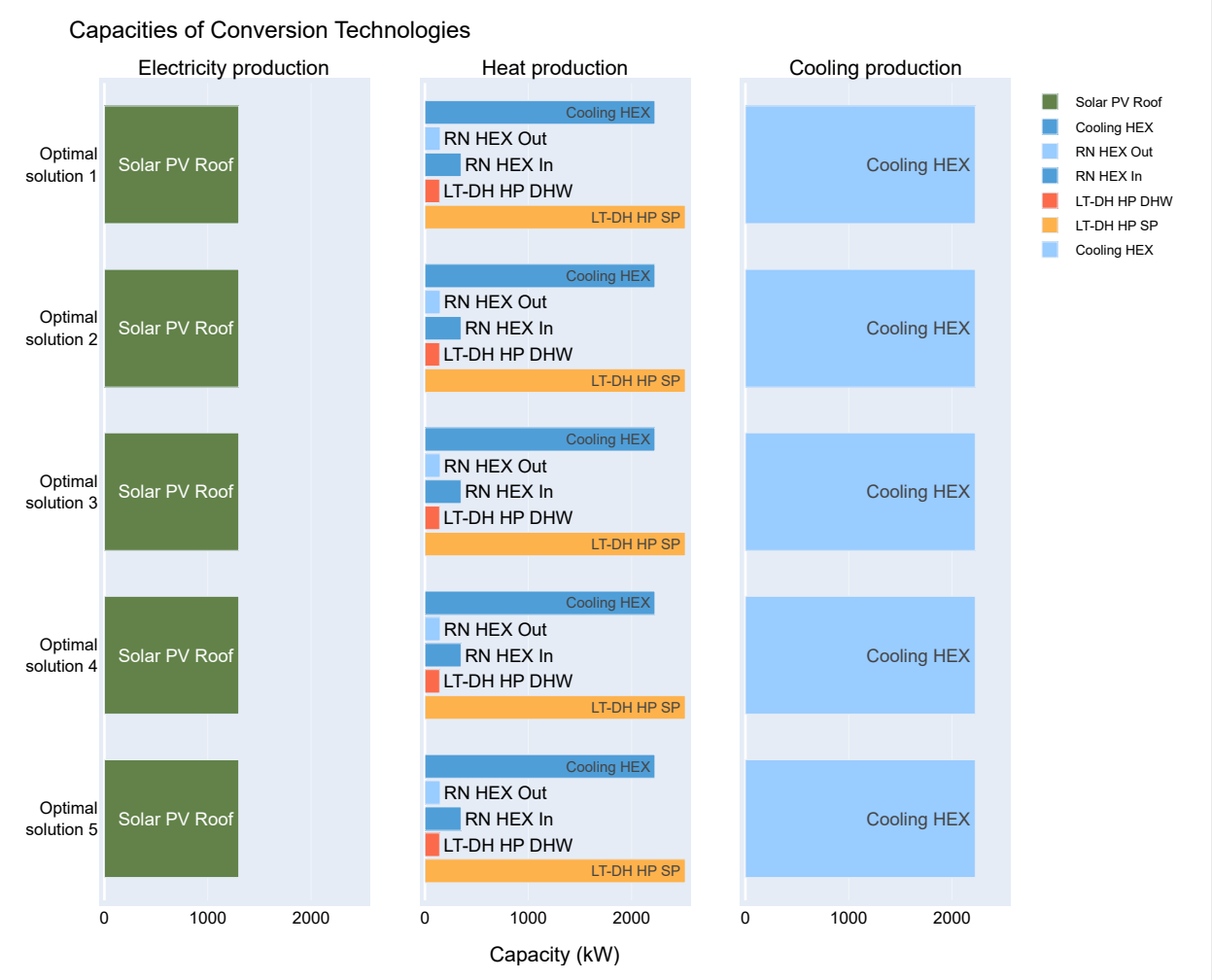


Pareto front - Life-cycle Cost vs Emissions

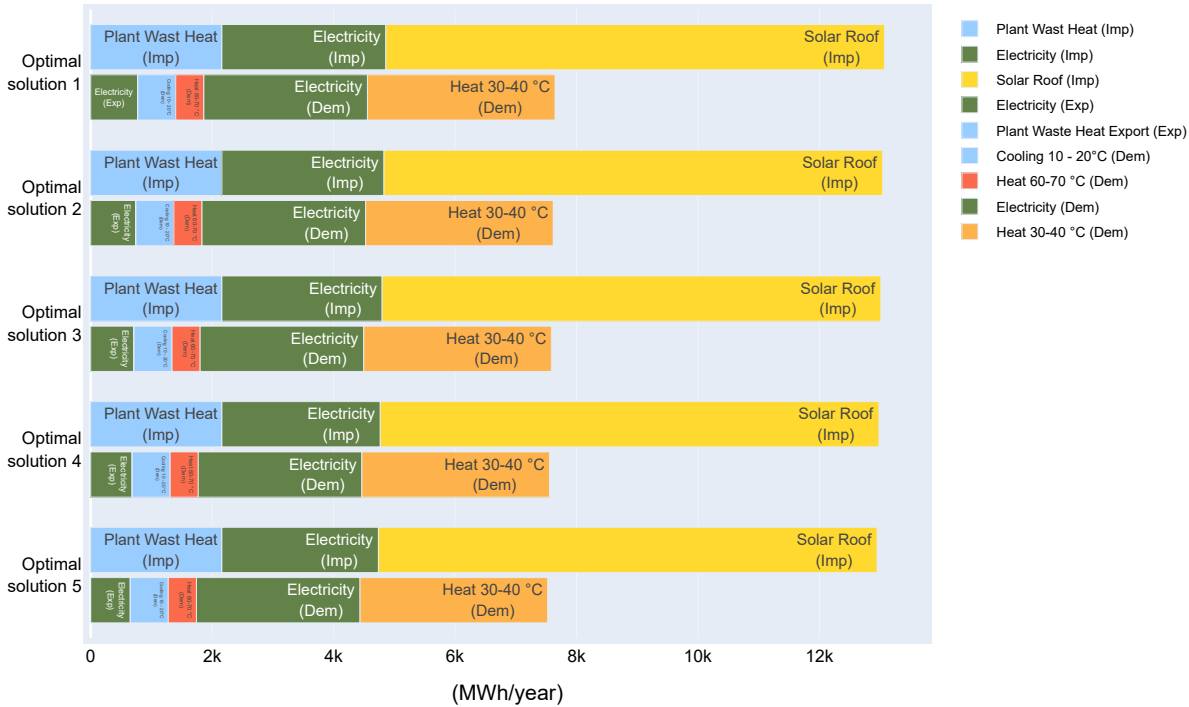


Optimal Design

Optimal Operation



Annual Imports vs Exports & Demand



Annual Energy Imports (CO2 based vs CO2 free)

