

4. Tier 0: System Requirements

1. Functional Requirements

Id	Requirement
1	The system shall harvest renewable energy
2	The system shall store energy
3	The system shall provide heat
4	The system shall be emission neutral

2. Interface Requirements

Id	Requirement
1	The system shall interface with external power-grid
2	The system shall interface with internal power-grid
3	The system shall provide a user interface

3. Temporal Performance Requirements

Id	Requirement
1	The MTTF of the system panels shall be > 1 year
2	The MTTR of the system shall be < 2 days
3	The user interface of the system shall have a MTTL < 5min

4. Non-temporal Performance Requirements

Id	Requirement
1	The system shall provide 60% of the buildings energy consumption over a year
2	The system shall not throw away more than 1% of energy produced
3	The system shall provide 96MWh for space heating
4	The system shall provide 64MWh for domestic hot water heating
5	The system shall cost no more than 8MNOK