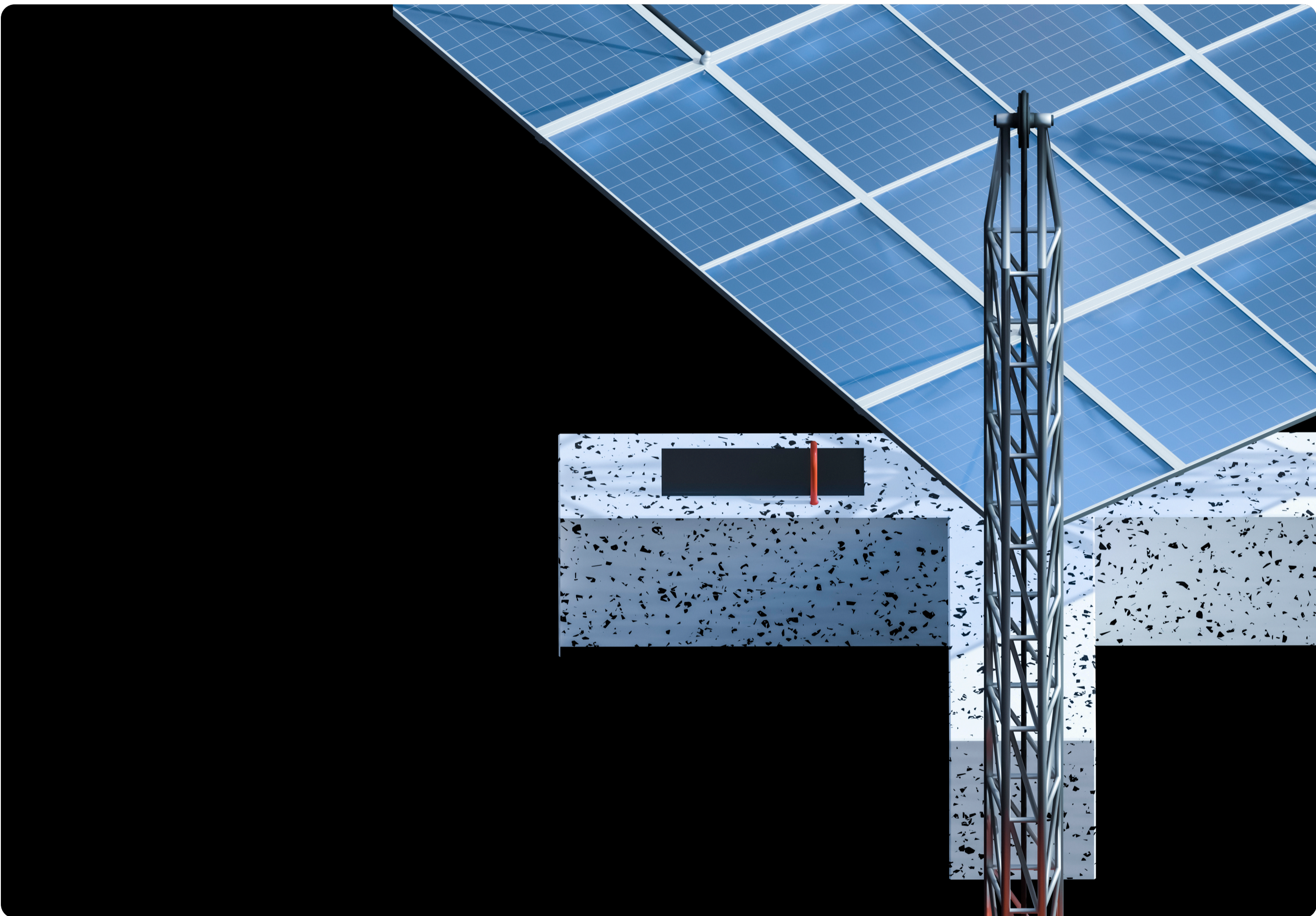
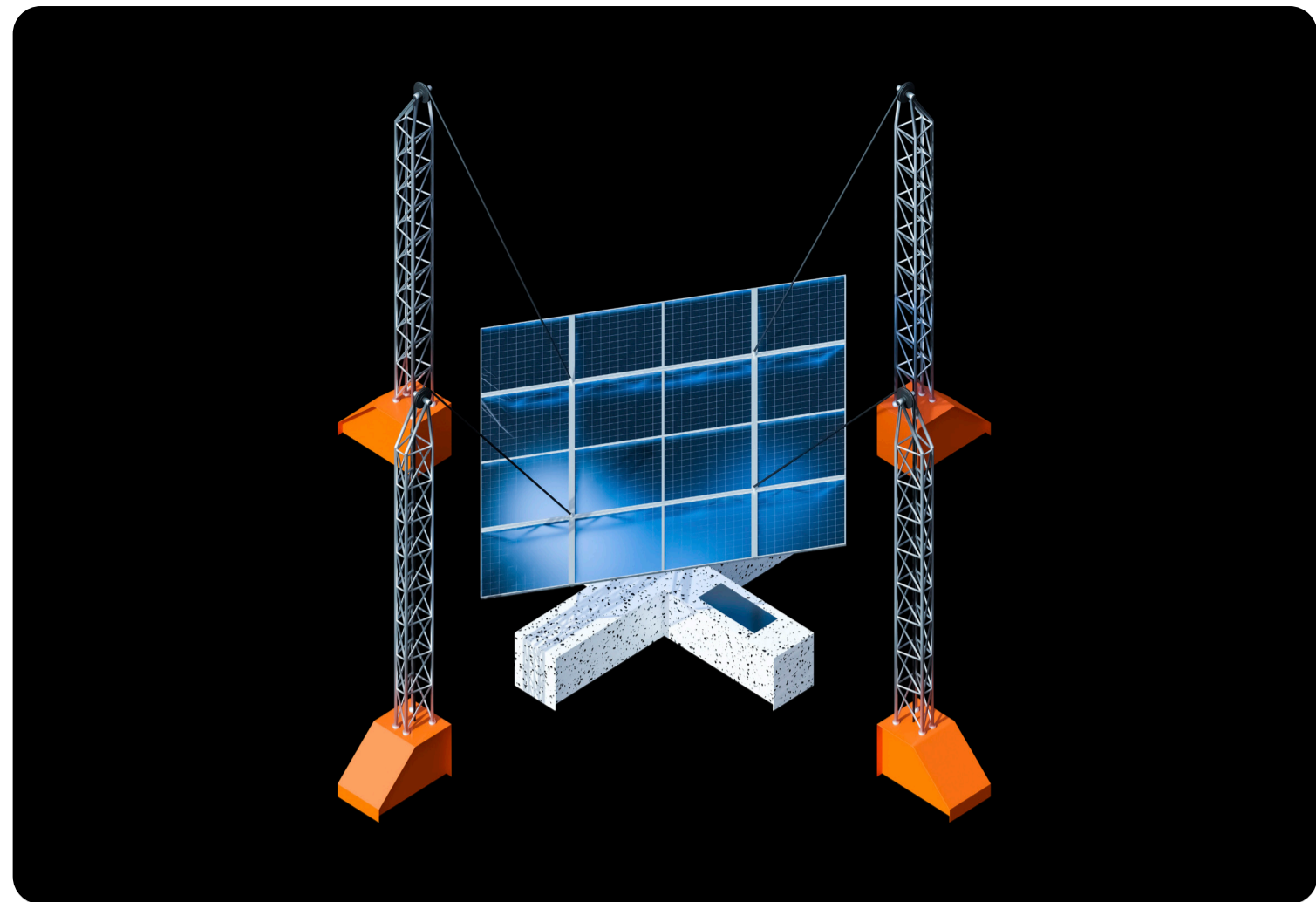
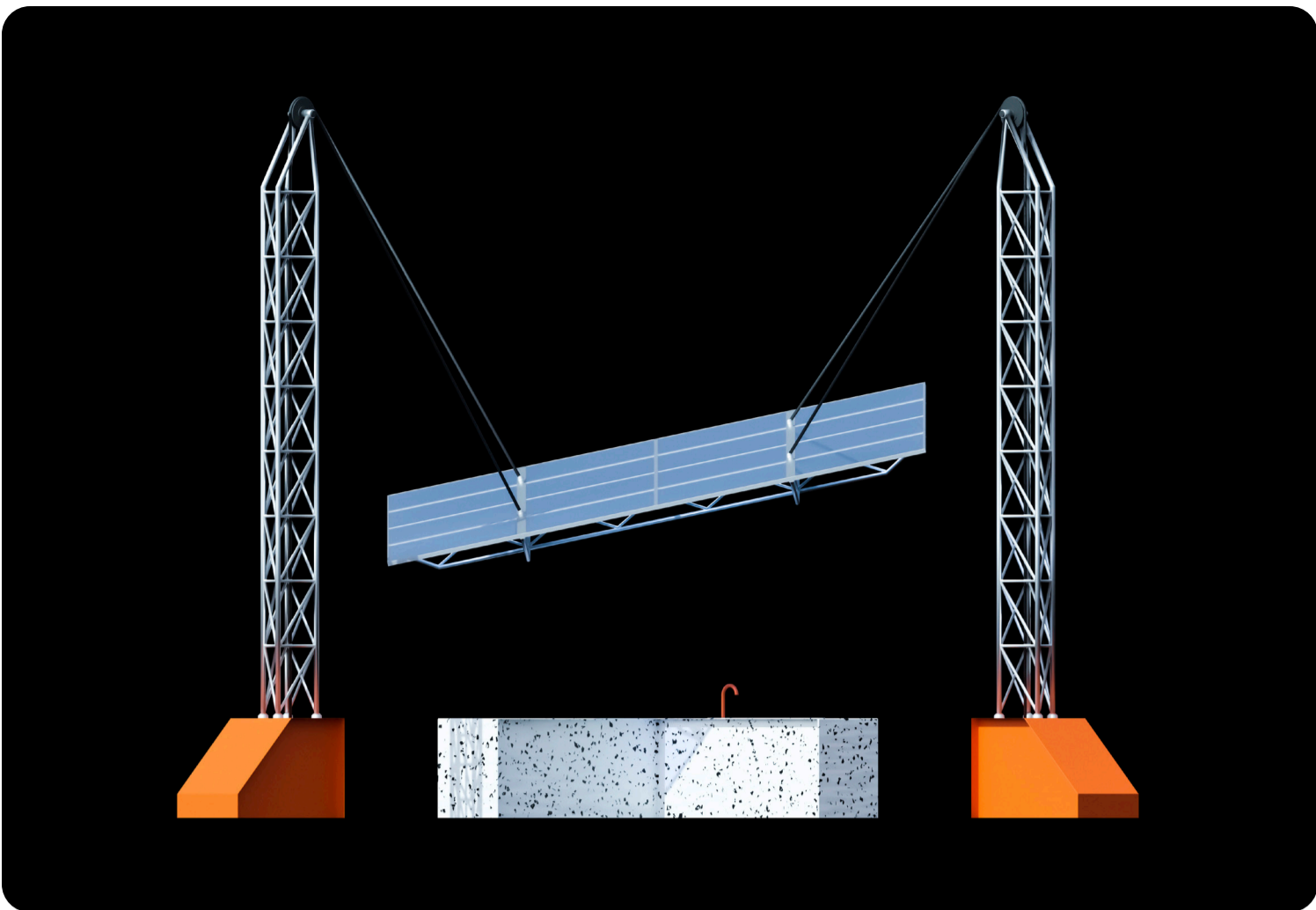


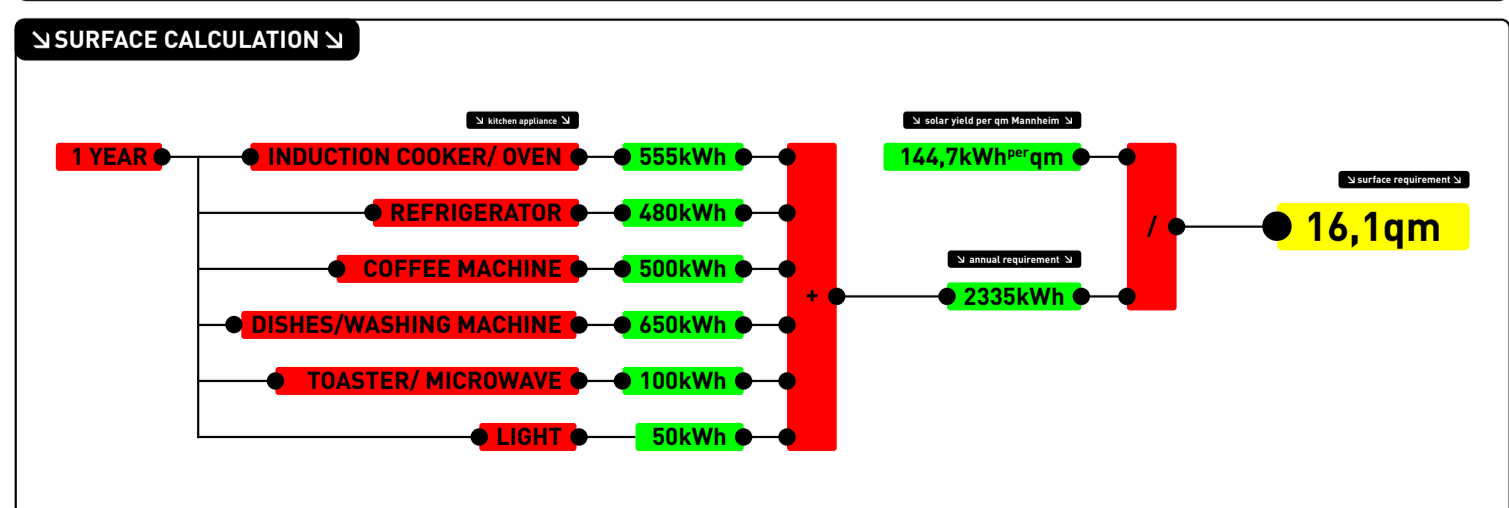
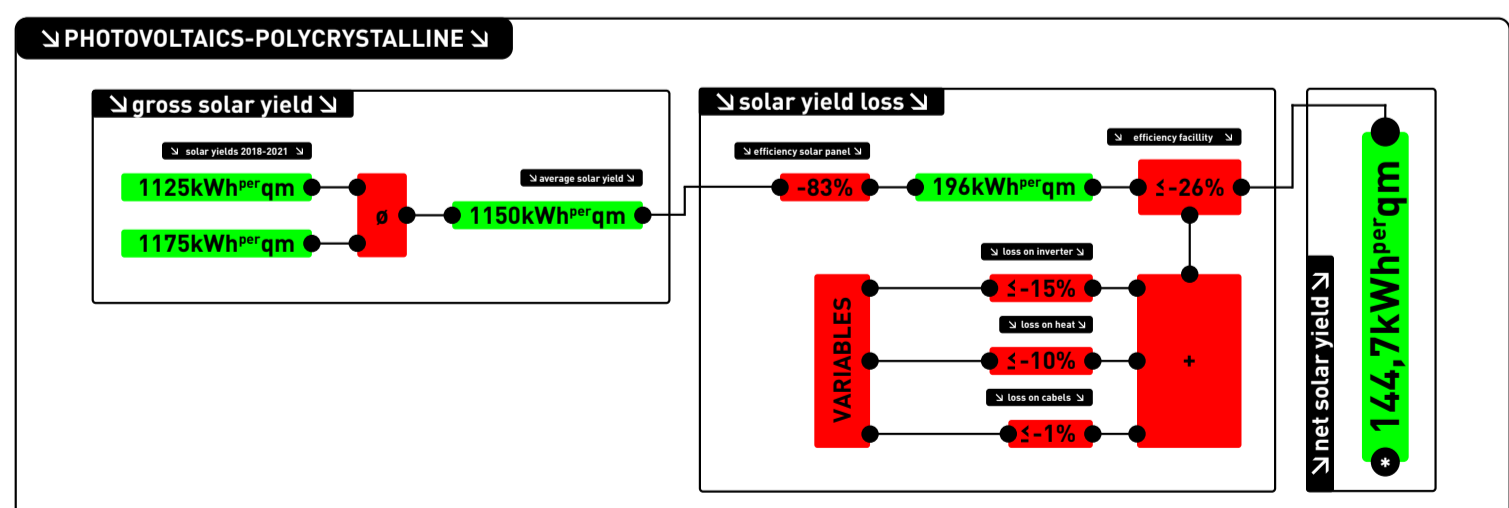
SOLAR KITCHEN



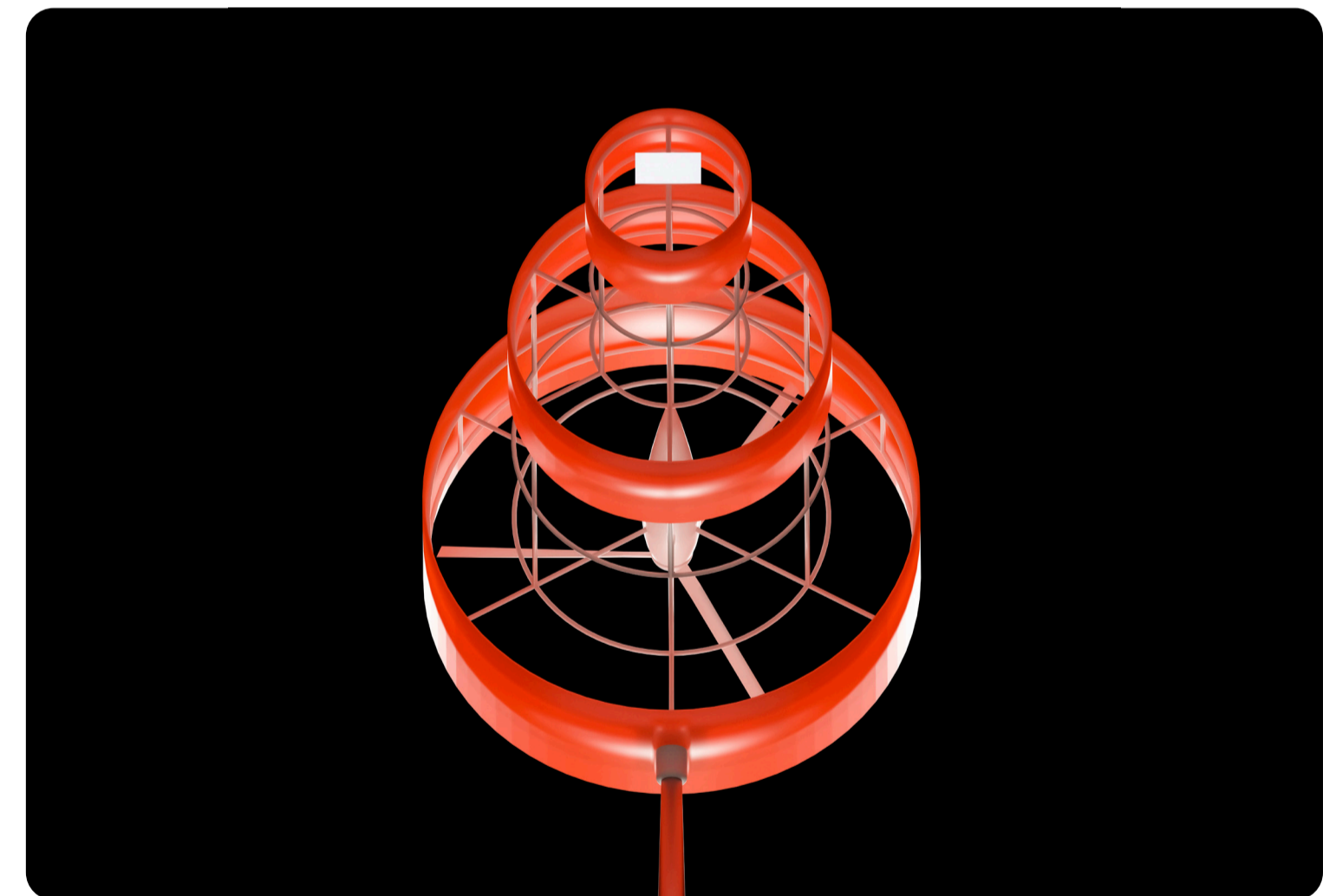
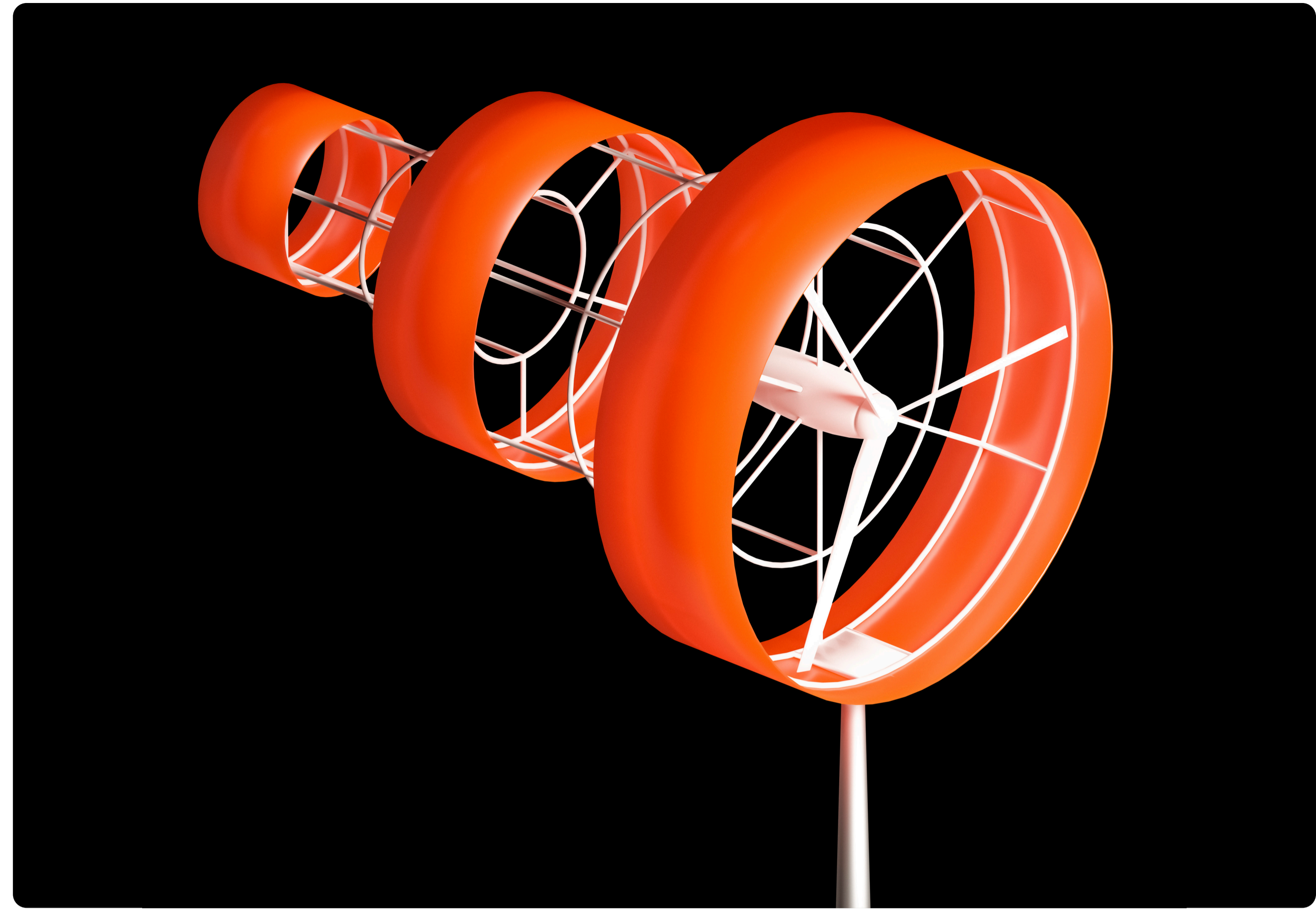
The design for the "Solar Kitchen" is based on the average annual power consumption of a kitchen in a typical German household of 2.5 people. The annual electricity consumption of the end devices can be generated by a roof made of polycrystalline photovoltaic solar cells. Although these polycrystalline solar cells are less efficient than monocrystalline solar cells, they are easier to manufacture and therefore cheaper.

The calculations are based on averaged solar inputs in Mannheim in recent years, plus the technical efficiency of the system.

The solar roof formed in this way is structurally and energetically connected to the kitchen at four suspension points and is aligned orthogonally to the solar radiation/global radiation using adjustment motors in the traverses.



AERO CONSUME



The „Aero Consume“ wind turbine generates the electricity consumption of a single home office or office workplace. It provides enough energy for an average 8-hour working day over 300 working days.

On the one hand, all local end devices are included in the calculation, but also the external servers and all provisions of services necessary to work in a network.

The calculations for the wind turbine are based on the local cold air flow values in Mannheim.

This routine is to be understood both as a pavilion of interaction and as a media installation, which shows the enormous difference in the area of input (energy) and output (computer screen and devices) and thus shows this difference in a creative and explanatory way.

