Production Forecast

Production Forecast	
PV Generator Output	225.50 kWp
Spec. Annual Yield	845.81 kWh/kWp
Performance Ratio (PR)	84.32 %
Yield Reduction due to Shading	1.1 %
PV Generator Energy (AC grid)	190,785 kWh/Year
Own Consumption	187,610 kWh/Year
Down-regulation at Feed-in Point	0 kWh/Year
Grid Export	3,176 kWh/Year
Own Power Consumption	98.3 %
CO_2 Emissions avoided	37,002 kg / year
Level of Self-sufficiency	10.0 %

PV System

3D, Grid-connected PV System with Electrical Appliances	
Climate Data	Panificio, GBR (1996 - 2015)
Values source	Meteonorm 8.1(i)
PV Generator Output	225.5 kWp
PV Generator Surface	1,065.3 m²
Number of PV Modules	550
Number of Inverters	4

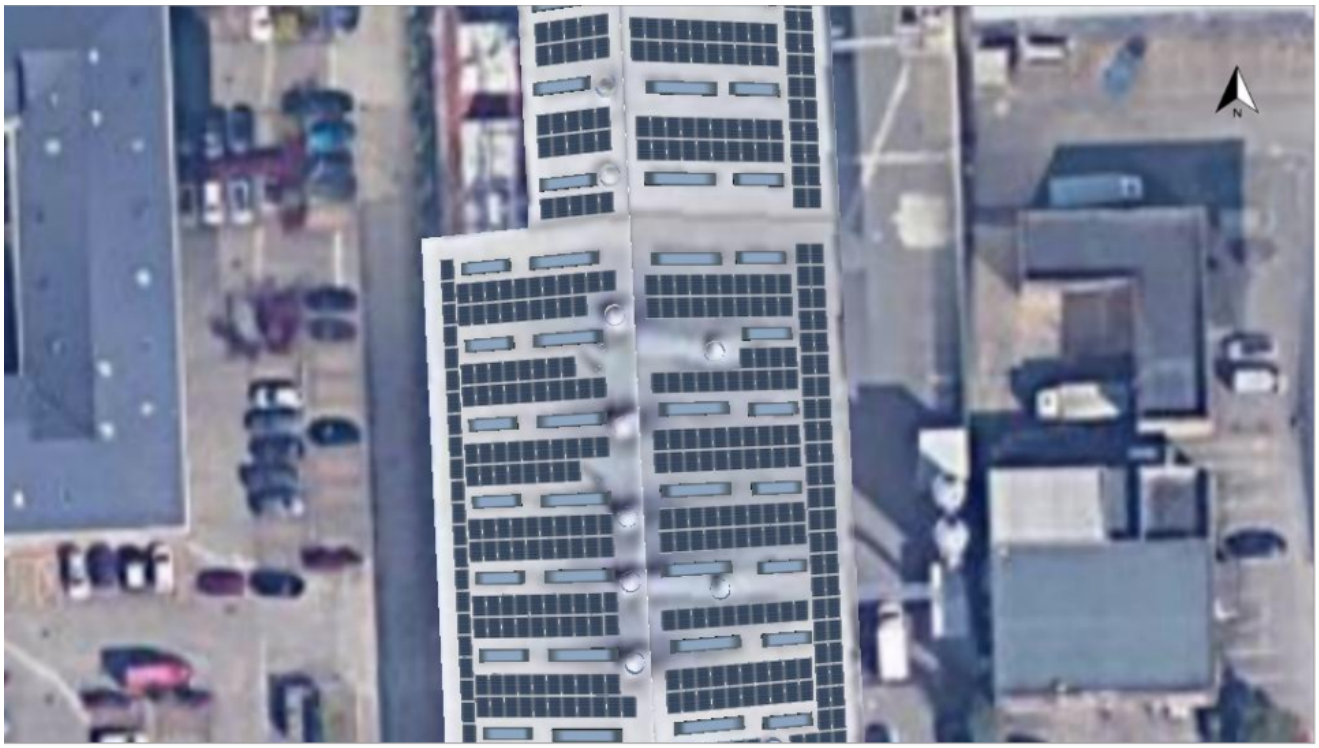


Figure: Overview Image, 3D Design

The results have been calculated with a mathematical model calculation from Valentin Software GmbH (PV*SOL algorithms). The actual yields from the solar power system may differ as a result of weather variations, the efficiency of the modules and inverter, and other factors.