



CLEAN GREEN ENERGY MISSION
GREEN HYDROGEN GENERATION

Project Name	EUROPE
Site	Fátima, Ourém, Santarém, Portugal
Client Name	CONFIDENTIAL
Client Reference	C-002
Generated On	1/29/2026, 12:01:51 AM
Prepared By	Clean Green Energy Mission



Clean Green Energy Mission - Report

GREEN HYDROGEN GENERATION

Key Inputs

Details	Unit	Data
PROJECT DATA		
Project Name		EUROPE
Project Reference		P-002
Client Name		CONFIDENTIAL
Client Reference		C-002
Revision No.		A
Revision Date		31/07/2025
PROJECT CURRENCY		
Project Currency		EUR
SITE LOCATION		
Location		Fátima, Ourém, Santarém, Portugal
Latitude		39.625550
Longitude		-8.665908
GREEN ELECTRICITY SOURCE		
GREEN_ELECTRICITY SOURCE(GRID PURCHASED)		
Grid Green Electricity		0
Solar Power Share		50
Wind Power Share		50
GREEN_ELECTRICITY SOURCE(OWN PURCHASED)		
Own Green Electricity		100
Solar Power Share		20
Wind Power Share		80
ELECTROLYSER PLANT		
Electrolyser Technology		Proton Exchange Membrane (PEM)
Electrolyser Plant Size	MW	20
Efficiency of Electrolyser	%	70
Single Stack Rating		1200
Desired Electrolyser Plant Load Factor	%	100
Daily Buffer Storage	%	12
Stack Replacement Year	Years from COD	10
Stack Replacement (% of CAPEX)	% of CAPEX COD	15
Cost of Stack + packaged BOP	EUR/KW	700

H ₂ Delivery Pressure	bar	30
SOLAR PV PLANT (Own Generation)		
PV Module Type		Monocrystalline
PV Module Technology		N-Type TOPCon
PV Module Make & Model		TP SOLAR-TP550HG10TB
PV Module Rated Power	Wp	550
PV Module Efficiency	%	21.34
System Loss	%	10
Tracking		0
Tilt Angle	Degrees	35
Azimuth Angle	Degrees	180
Product Warranty	Years	15
Power Warranty	Years	30
PV Module Cost	EUR/Wp	0.25
PV Module Height	mm	2280
PV Module Width	mm	1130
PV Module Yearly Replacement	%	5
DC/AC Ratio		1.2
Ground Coverage Ratio		0.4
Infra / non-module area margin	%	25
WIND ENERGY GENERATOR PLANT (Own Generation)		
WEG Make & Model		Vestas V90 2000
WEG Rated Power		2000
Rotor Diameter	Meter	90
Hub Height	Meter	80
WEG System Loss	%	0
Average Power Coefficient (Cp)	(0 means OEM power curve is applied)	0
Rated Speed	m/s	13
Cut-in-Speed	m/s	3
Cut-out-Speed	m/s	25
Cost of Wind Energy Generator	EUR/KW	600
BATTERY ENERGY STORAGE SYSTEM (BESS PLANT)		
BESS Plant Provided		Yes
Type of Battery		LFP Lithium-Ion
BESS Plant Load ##	KW	0
Depth of Discharge*		0.95
Autonomy	Hours	2
BESS Round Trip Efficiency	%	90

BESS Safety & Reserve Margin	%	10
End-of-life SOH thershold	%	80
Battery Cycle Degradation	%	0.003
Cost of Battery System	EUR/KWH	100
Cell Replacement (% of CAPEX)	% of CAPEX COD	35
CAPEX OF THE PLANT		
CAPEX of Electrolyser Plant	EUR/KW	1167
CAPEX for Solar PV Plant	EUR/KW	545
CAPEX of Wind Turbine	EUR/KW	1000
CAPEX of BESS Plant	EUR/KWH	222
Land Price	EUR/ACRES	2000
Country Factor for Labour Work		1
PLANT OPERATING DETAILS		
Life of the Plant	YEARS	20
Construction Period	MONTHS	9
O&M Expenses Percentage	%	5
Auxiliary Power - Electrolyser	%	10
Auxiliary Power - Wind Turbine	%	0.5
Auxiliary Power - Solar PV Plant	%	1
Working Capital for Spares	% of CAPEX	1
Working Capital for O&M	Months	1
Working Capital for Receivables	Months	1
Cost of Treated Water	EUR/CUM	0.50
PROJECT FINANCIALS		
Equity	%	30
Return on Equity	%	0
Loan Repayment Period	YEARS	10
Loan Moratorium Period	YEARS	2
Interest Rate on Term Loan	%	7
Interest Rate on Working Capital	%	7
Working Capital Margine Money	%	25
TAX Depreciation Rate	%	10
Discount Rate	%	12
Income Tax	%	22
Tax Holiday	YEARS	5
Salvage Value	%	10
Exchange Rate Variation	%	2

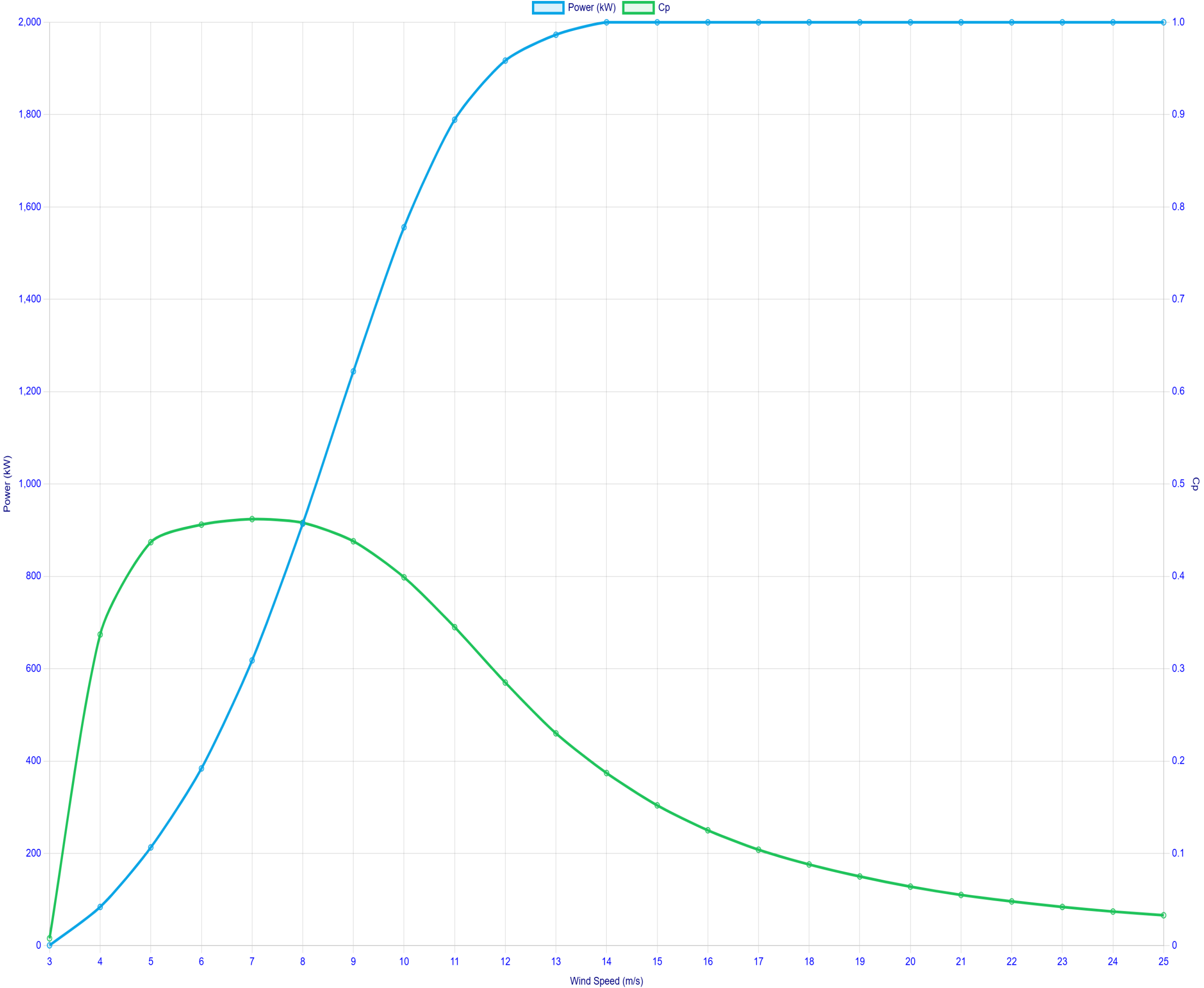
SUBSIDIES AND INCENTIVES		
Capital Subsidy (% of CAPEX)	%	5
Subsidy Recepit Year (1=Year1)	Year	1
RE Generation-Based Incentive	EUR/KWH	0.01
H ₂ Generation-Based Incentive	EUR/kgH ₂	0.5
GBI Eligibility Period	Years from COD	5
GRID POWER PURCHASE PRICE DETAILS		
Solar Power Purchase Price	EUR/KWH	0.0250
Wind Power Purchase Price	EUR/KWH	0.0300
TARGETTED SALE PRICE		
EXCESS GREEN POWER SALE PRICE		
Excess Green Power Sale Price	EUR/KWH	0.10
GREEN HYDROGEN SALE PRICE		
Green Hydrogen Sale Price	EUR/KG	6
PLANT DEGRADATION		
Electrolyser Annual Degradation	%	0.05
Solar PV Annual Degradation	%	0.070
Wind Turbine Annual Degradation	%	0.020
BESS Annual Degradation	%	1
Curtailment / Losses	%	3
PRICE ESCALATION		
Annual Green Hydrogen Cost Escalation	%	2
Annual Excess Green Power Cost Escalation	%	2
Whole Sale Price Index (WPI)	%	4
Consumer Price Index (CPI)	%	6
Annual Battery Price Escalation	%	2
Annual PV Module Price Escalation	%	2
Annual Electroser Stack Price Escalation	%	2
CARBON FOOTPRINT - GHG EMISSION REDUCTION		
Baseline		Grey H2 from SMR
Baseline Emissions Factor for Grey H ₂ (SMR)	kg CO ₂ e/kg H ₂	10.5
Baseline Emissions Factor for Grid Power	kg CO ₂ e/kWh	0.45
Life Cycle CO2e Intensity-Solar	kg CO ₂ e/kWh	0.05
Life Cycle CO2e Intensity-Wind	kg CO ₂ e/kWh	0.015
Life Cycle CO2e Intensity-DM/RO Water	kg CO ₂ e/cum	0.0072
Carbon Credit Market/Standard		Verra VCS
Market Price for Carbon Credit for avoidance Project	USD/tons of CO ₂ e	20

Annual Carbon Credit Price Escalation	%	3
---------------------------------------	---	---

OEM POWER CURVE

WEG Model	Vestas V90 2000	Rotor Diameter (m)	90.00	Hub Height (m)	80.0
Rated Power (kW)	2000	Cut-in Speed (m/s)	3.00	Cut-out Speed (m/s)	25.00

Parameter	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Wind Speed (m/s)	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00
Power (kW)	0.9	84.0	213.0	384.0	618.0	914.0	1244.0	1556.0	1789.0	1917.0	1973.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0	2000.0
Cp	0.008	0.337	0.437	0.456	0.462	0.458	0.438	0.399	0.345	0.285	0.230	0.187	0.152	0.125	0.104	0.088	0.075	0.064	0.055	0.048	0.042	0.037	0.033



GREEN HYDROGEN GENERATION

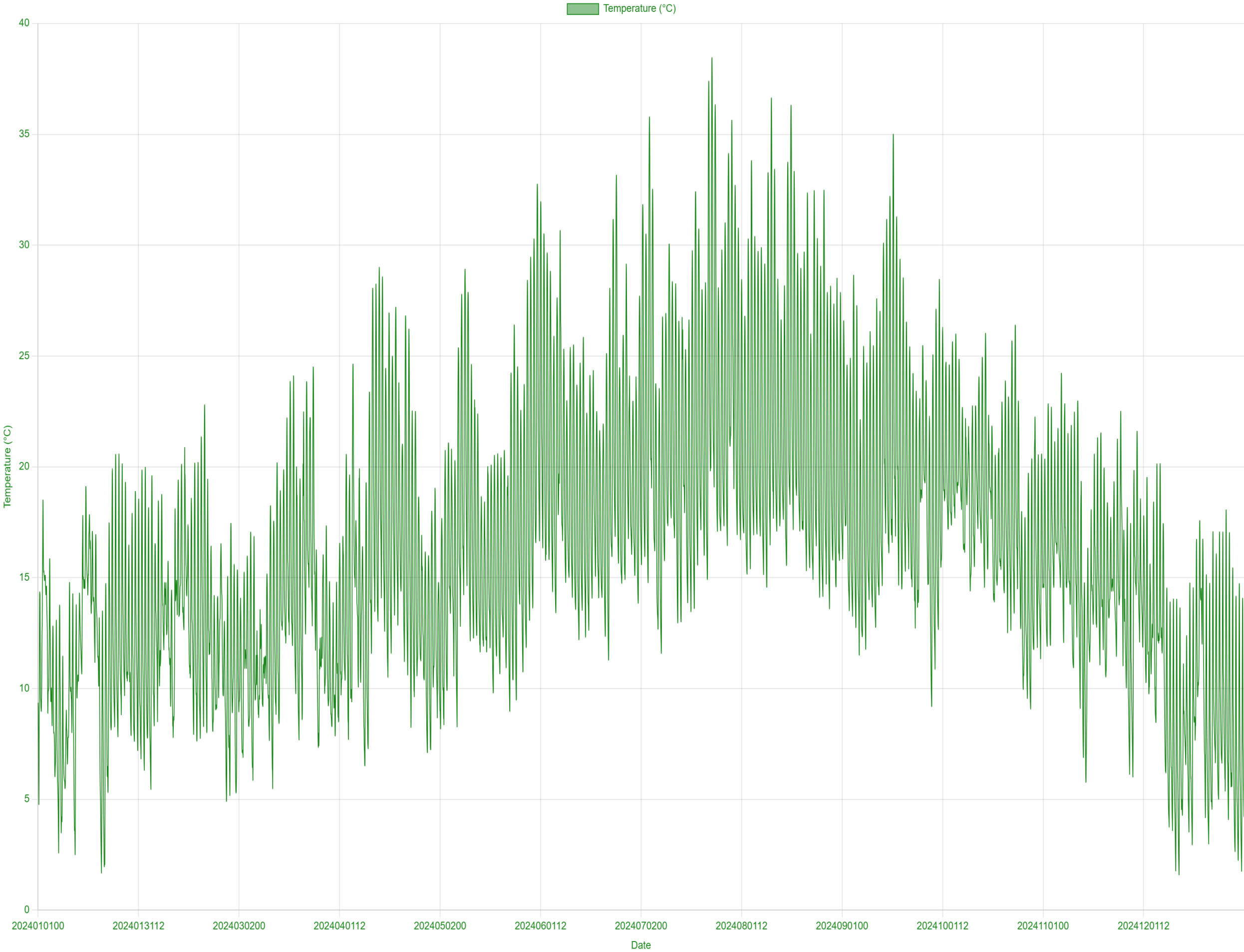
Plant Description

Details	Unit	Data
ELECTROLYSER PLANT		
No of Stacks Provided	nos	17
Actual Electrolyser Plant Size Provided	MW	20.40
Electricity needed for 1 kg of Hydrogen	KWH	48.02
Green Hydrogen production	KG/H	416.49
Green Hydrogen production	NCUM/h	4627.67
Green Hydrogen NCV	KCAL/KG	28898.9
Treated Water requirement	CUM/H	5.50
Desired Electrolyser Plant Load Factor	%	100
Desired Annual Green Hydrogen proudction	KG	3658448
Desired Annual Electricity requirement	KWH	193246540
Actual Electrolyser Plant Load Factor	%	77.89
Actual Annual Green Hydrogen production	KG / MT	2849680 / 2849.68
Actual Annual Electricity requirement	KWH / MKWH	152407084 / 152.41
Annual Auxiliary Power Consumption	KWH / MKWH	13684163.360 / 13.68
Actual Annual Treated Water requirement	CUM	34196.16
Actual Annual Oxygen production(Vented to atmosphere)	KG / MT	22797440 / 22797.44
SOLAR PV PLANT (Own Generation)		
Desired Solar Electricity generation	KWH	39035801
Plant Load Factor	%	15.94
Required Solar PV Plant Capacity	KW	27879.34
Selected Plant AC Capacity	KW	27880
Selected Plant DC Capacity	KW	33456
PV Module Total Quantity	nos	60830
Annual Gross Solar Electricity generation	KWH / MKWH	39027308 / 39.03
Annual Auxiliary Power Consumption	KWH / MKWH	390273 / 0.39
Annual Net Solar Electricity generation	KWH / MKWH	38637035 / 38.64
WIND ENERGY GENERATOR PLANT (Own Generation)		
Site Terrain		Rough/Urban
Site IEC Wind Classification	Very Low Wind Site	IV
Site IEC Turbulance Classification	Low turbulence	C
Desired Wind Electricity generation	KWH	155370218
Plant Load Factor	%	27.57

Wind Turbine Plant Capacity	KW	64156.21
No of Wind Turbine Generators	Nos	32
Selected Plant Capacity	KW	64000
Annual Gross Wind Electricity generation	KWH / MKWH	155002362 / 155.00
Annual Auxiliary Power Consumption	KWHH	775012 / 0.78
Annual Net Wind Electricity generation	KWH / MKWH	154227350 / 154.23
BATTERY ENERGY STORAGE SYSTEM (BESS PLANT)		
Annual Battery Cycles	Nos of charging cycles	145
Battery Replacement Life	Years	13
BESS Load	KW	45940
BESS Plant Capacity	KWH	118208
Annual Net Power Consumed from BESS	KWH / MKWH	10946593 / 10.95
Annual BESS Auxiliary Power & Other Losses	KWH / MKWH	1094659 / 1.09
TOTAL GREEN POWER GENERATION		
Solar Power (Generation)	KWH	39027308
Wind Power (Generation)	KWH	155002362
Total Green Power Generation	KWH / MKWH	194029670 / 194.03
PURCHASED POWER FROM GRID		
Solar Power (Purchased)	KWH	0
Wind Power (Purchased)	KWH	0
Total Purchased Power	KWH / MKWH	0 / 0.00
EXCESS GREEN POWER AVAILABLE FOR SALE		
Excess Green Power available for sale	KWH / MKWH	40408805 / 40.41

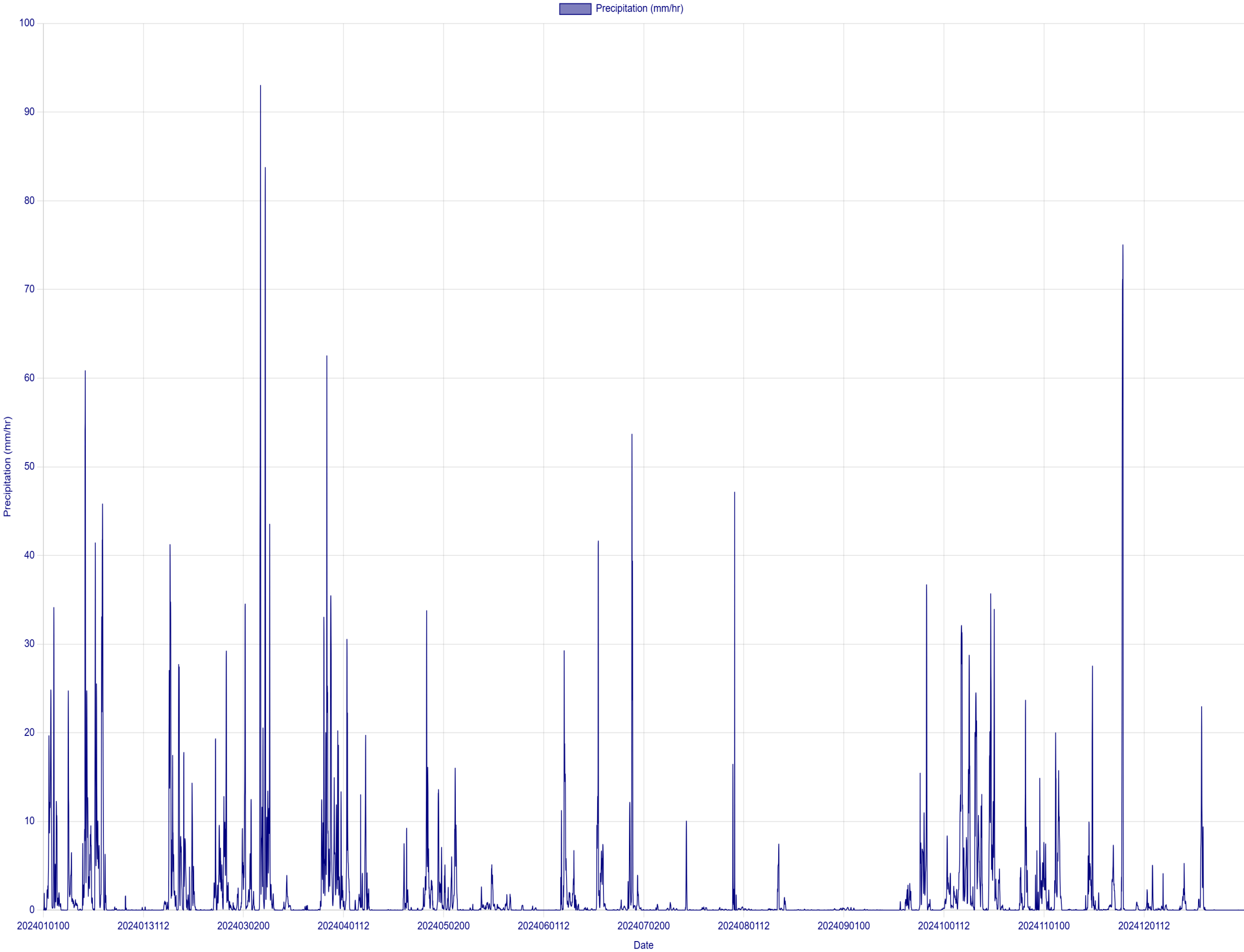
AMBIENT TEMPERATURE GRAPH

Average	16.41 °C	Maximum	38.46 °C	Minimum	1.6 °C
---------	----------	---------	----------	---------	--------



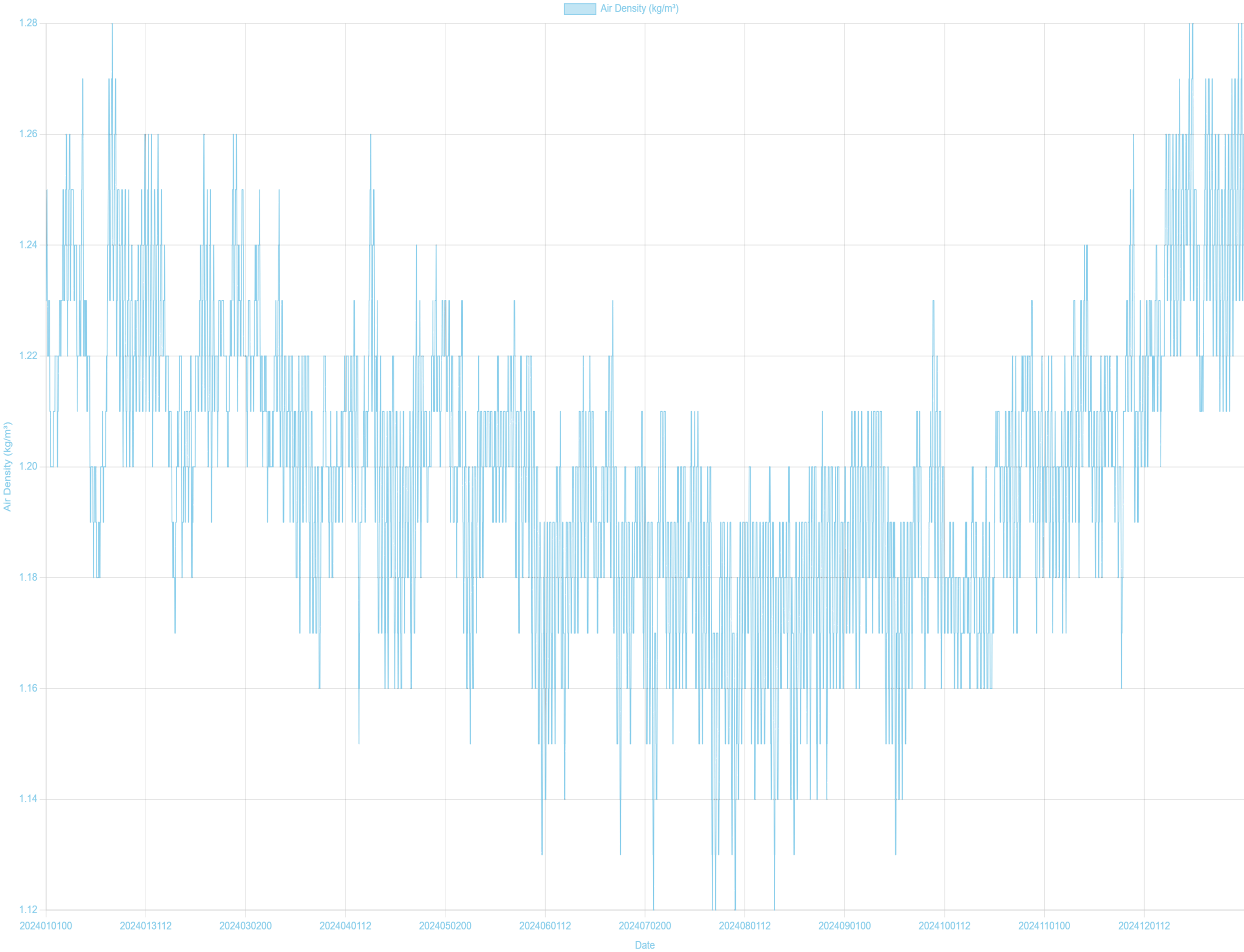
PRECIPITATION GRAPH

Average	1.7 mm/hr	Maximum	92.66 mm/hr	Minimum	0 mm/hr
---------	-----------	---------	-------------	---------	---------



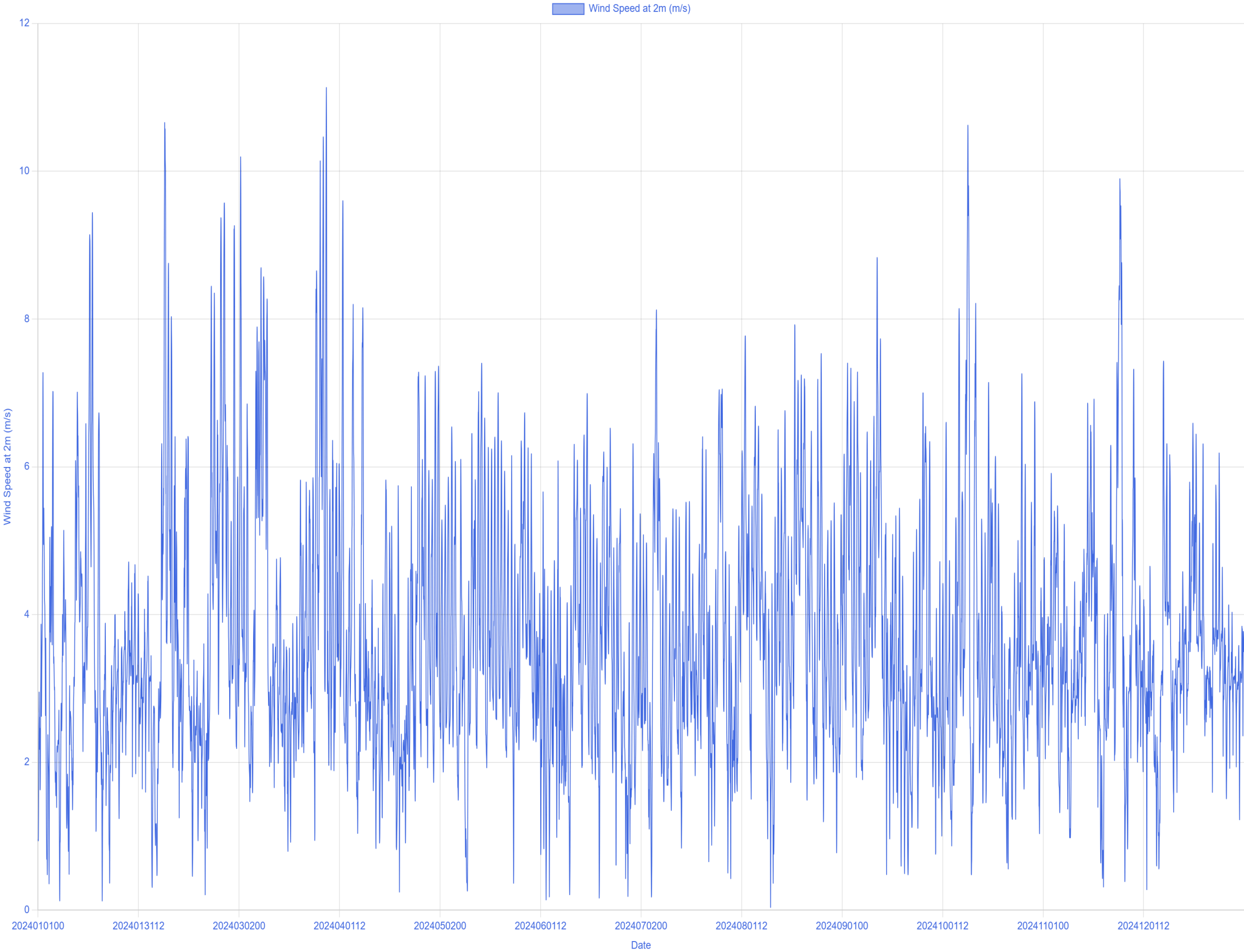
AIR DENSITY GRAPH

Average	1.2 kg/m³	Maximum	1.28 kg/m³	Minimum	1.12 kg/m³
---------	-----------	---------	------------	---------	------------



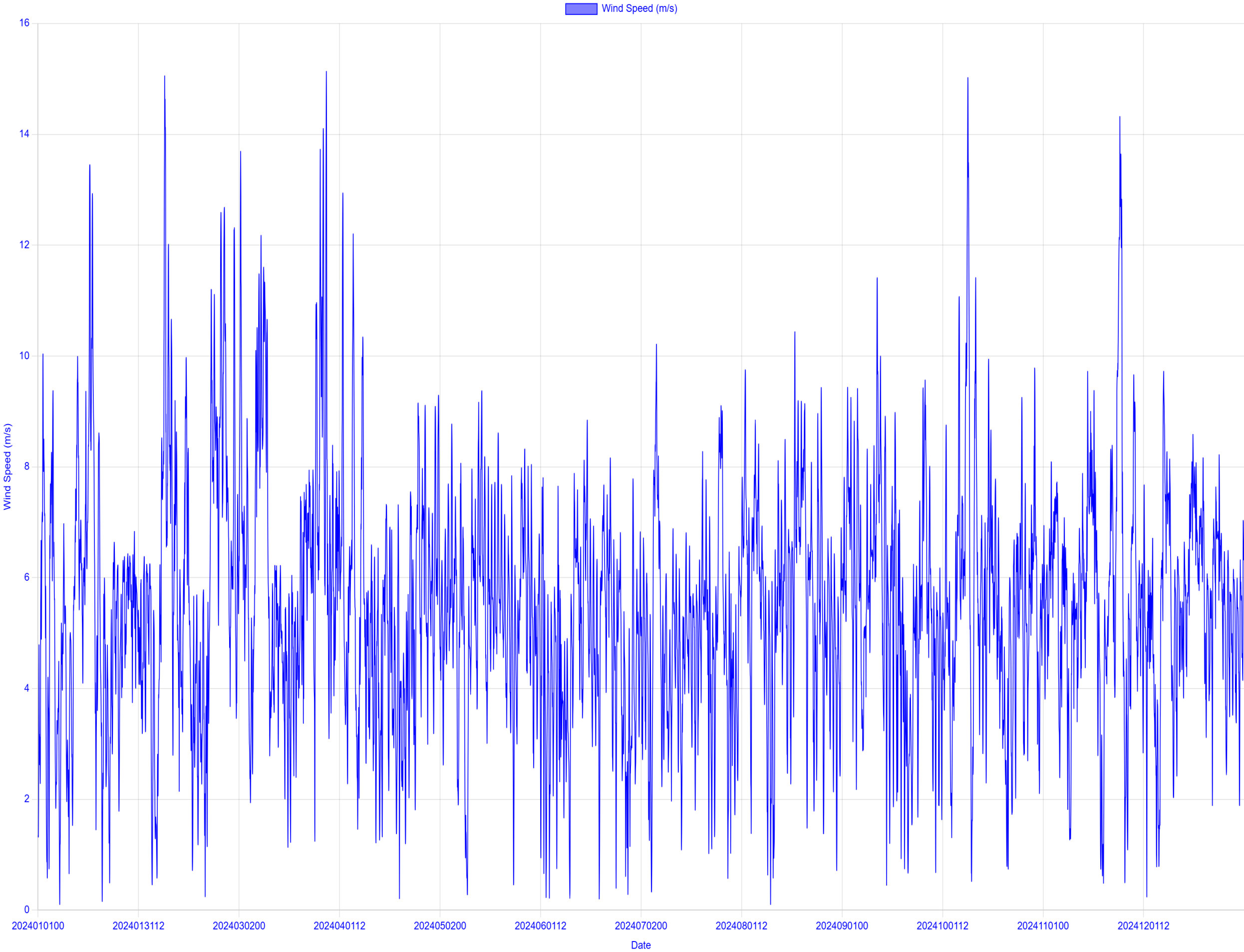
WIND SPEED 2M GRAPH

Average	3.67 m/s	Maximum	11.13 m/s	Minimum	0.04 m/s
---------	----------	---------	-----------	---------	----------



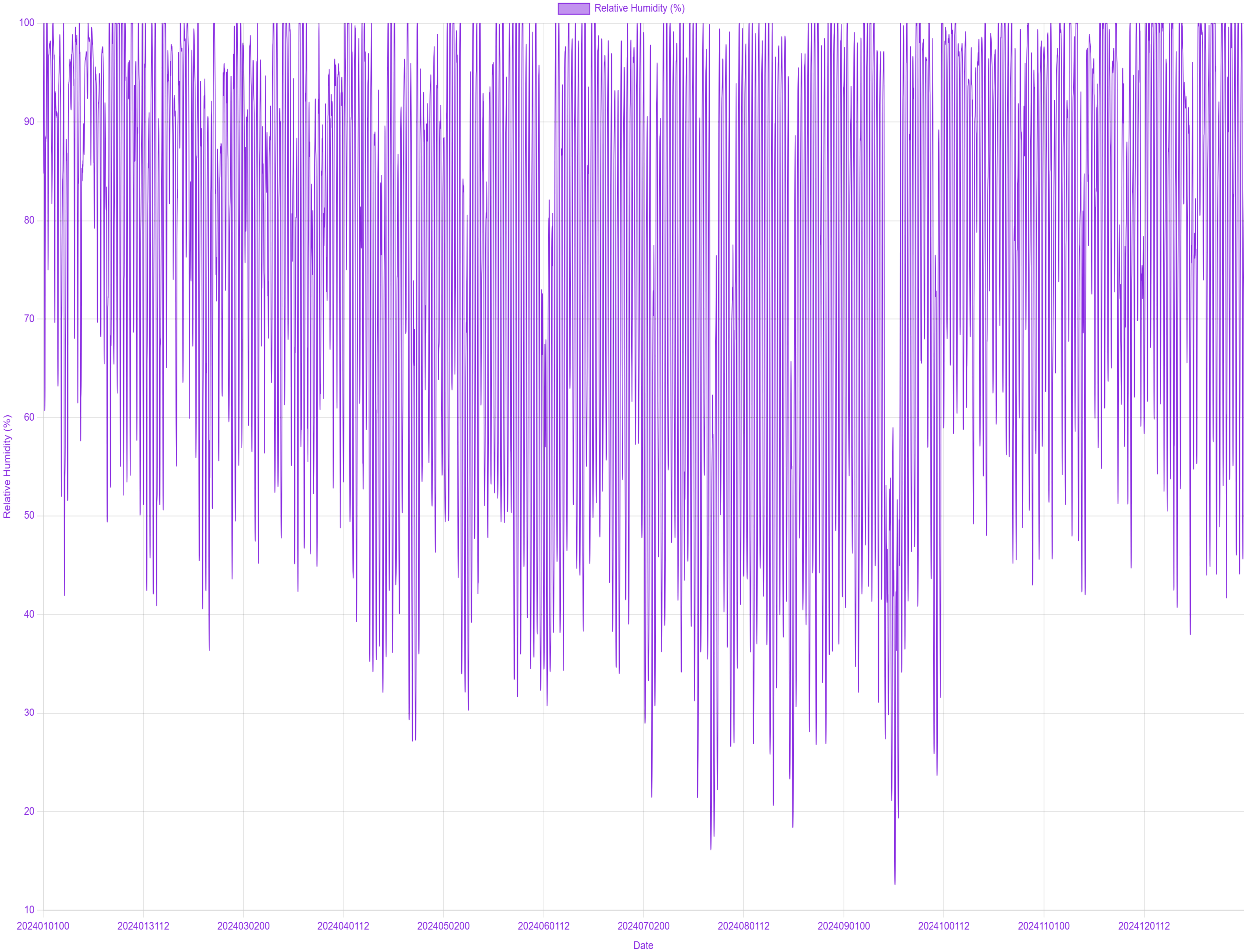
WIND SPEED 10M GRAPH

Average	5.5 m/s	Maximum	15.13 m/s	Minimum	0.11 m/s
---------	---------	---------	-----------	---------	----------



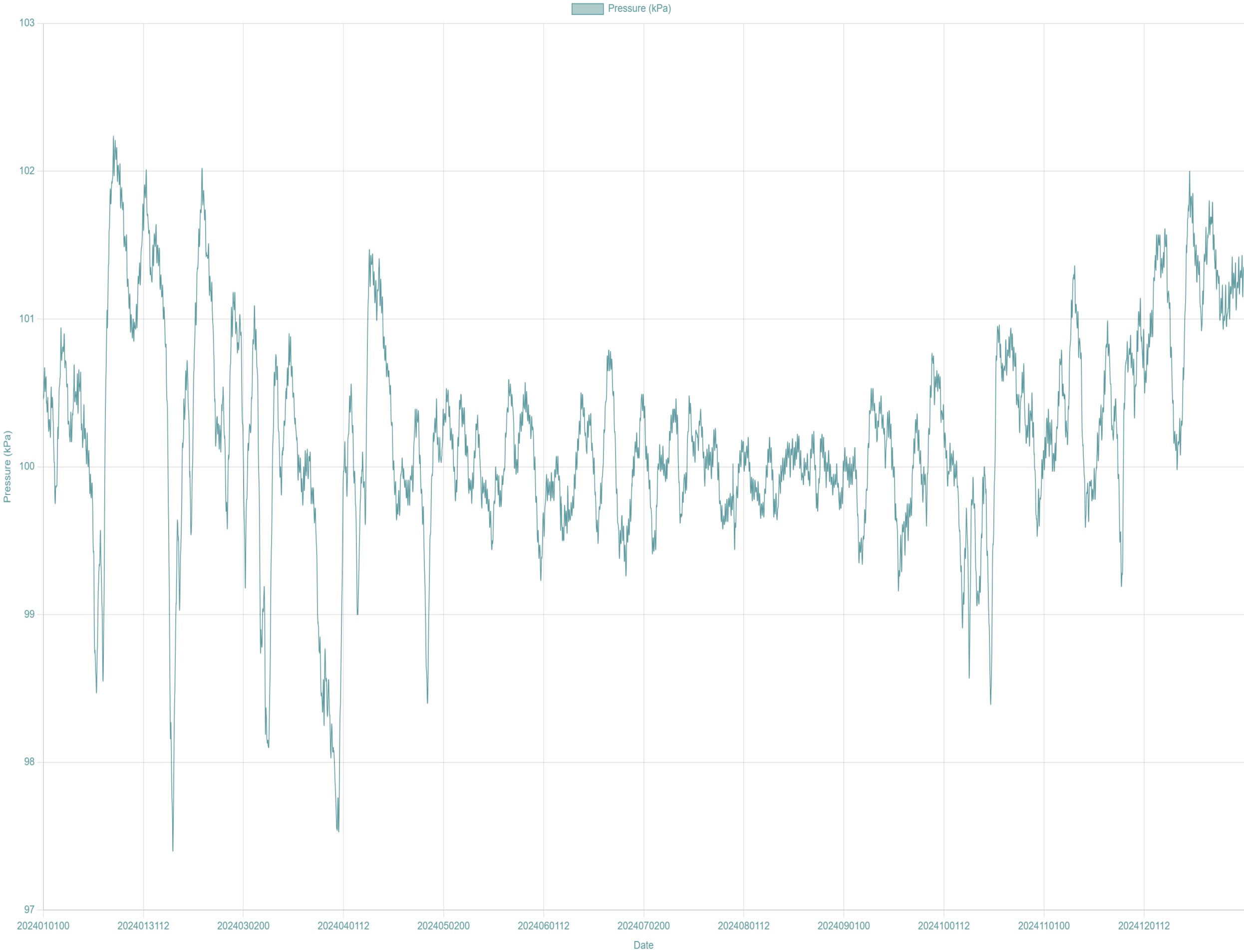
RELATIVE HUMIDITY GRAPH

Average	76.48 %	Maximum	100 %	Minimum	12.61 %
---------	---------	---------	-------	---------	---------



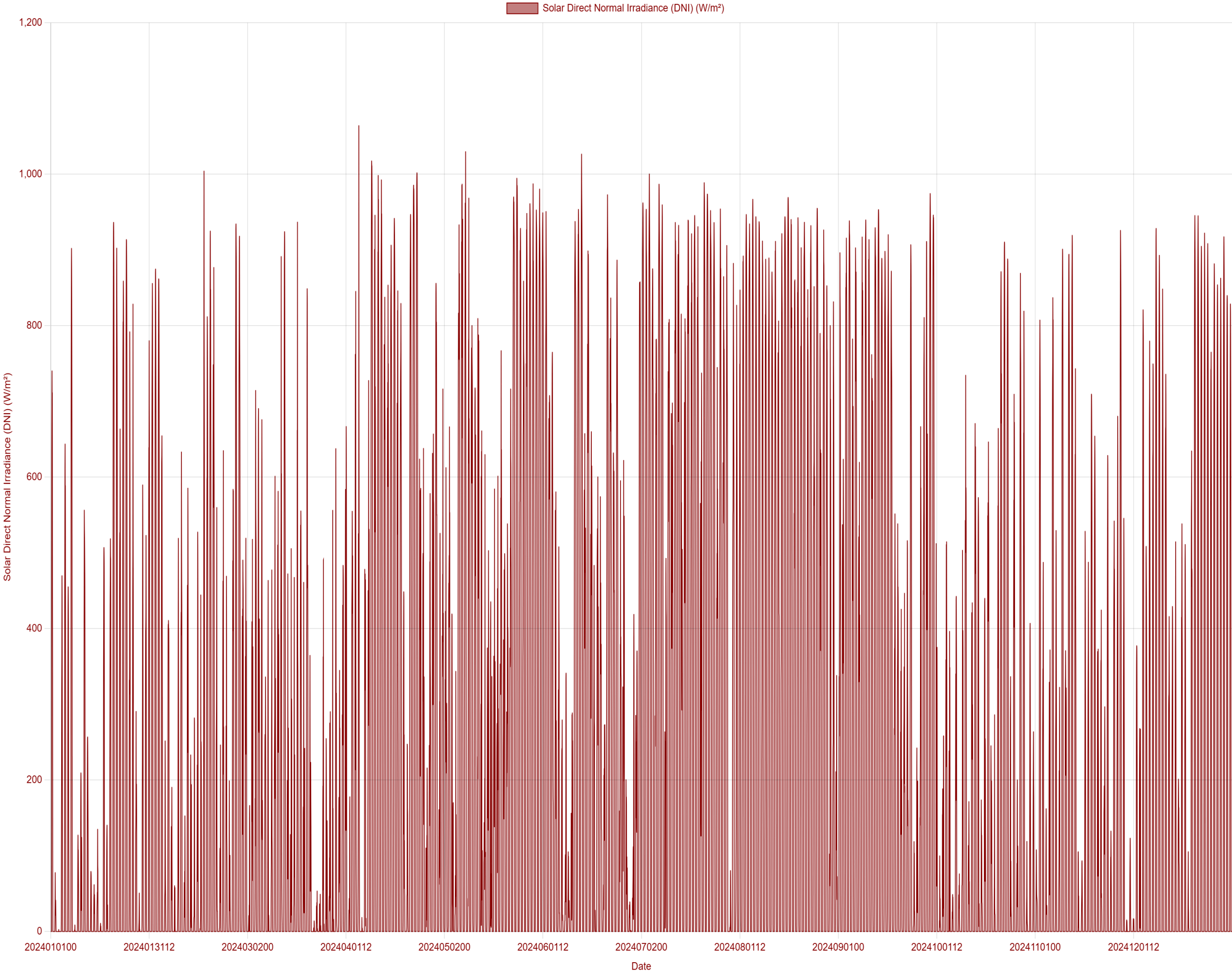
AMBIENT PRESSURE GRAPH

Average	100.21 kPa	Maximum	102.24 kPa	Minimum	97.4 kPa
---------	------------	---------	------------	---------	----------



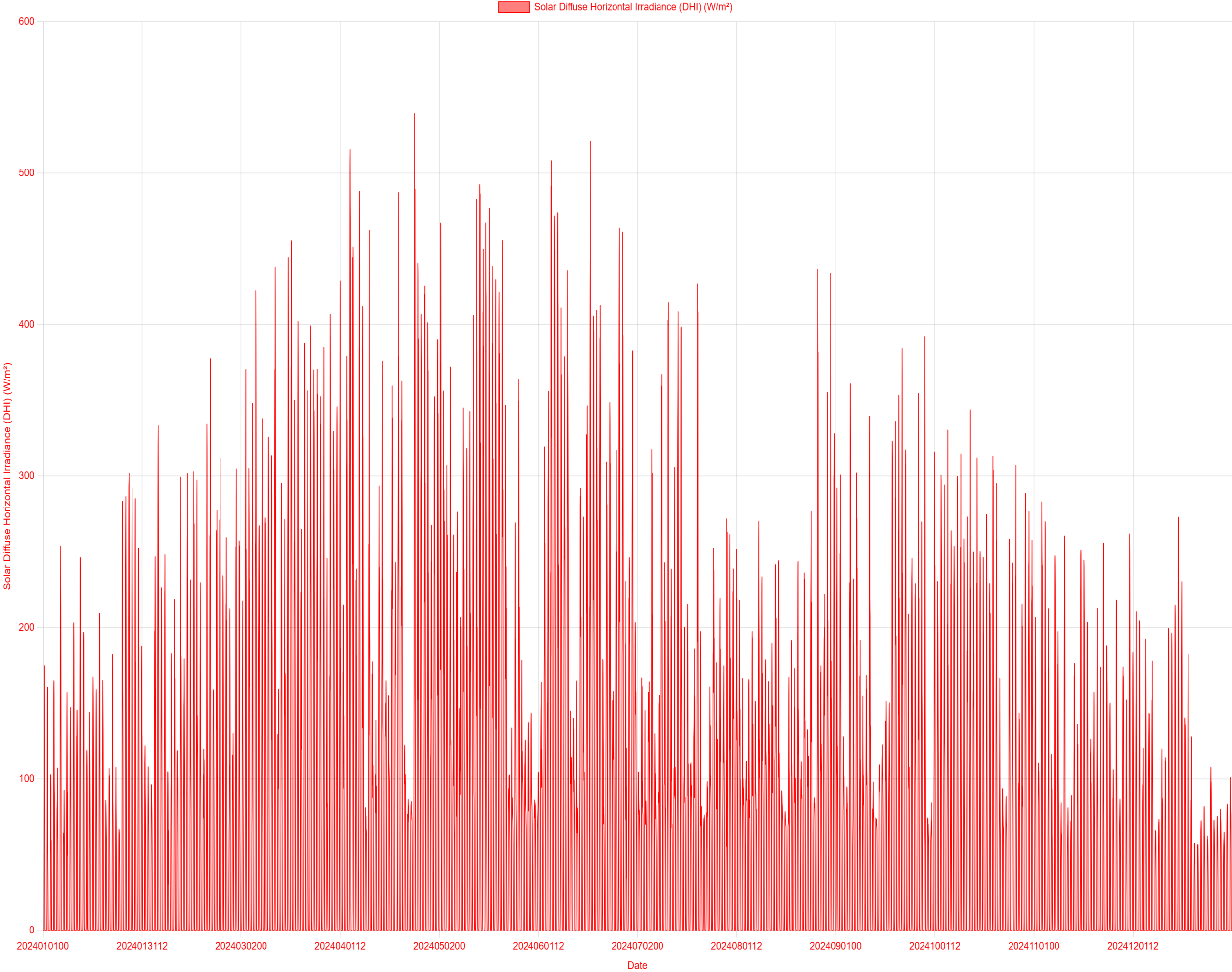
SOLAR DIRECT NORMAL IRRADIANCE (DNI) GRAPH

Average	209.45 W/m²	Maximum	1060.46 W/m²	Minimum	0 W/m²
---------	-------------	---------	--------------	---------	--------



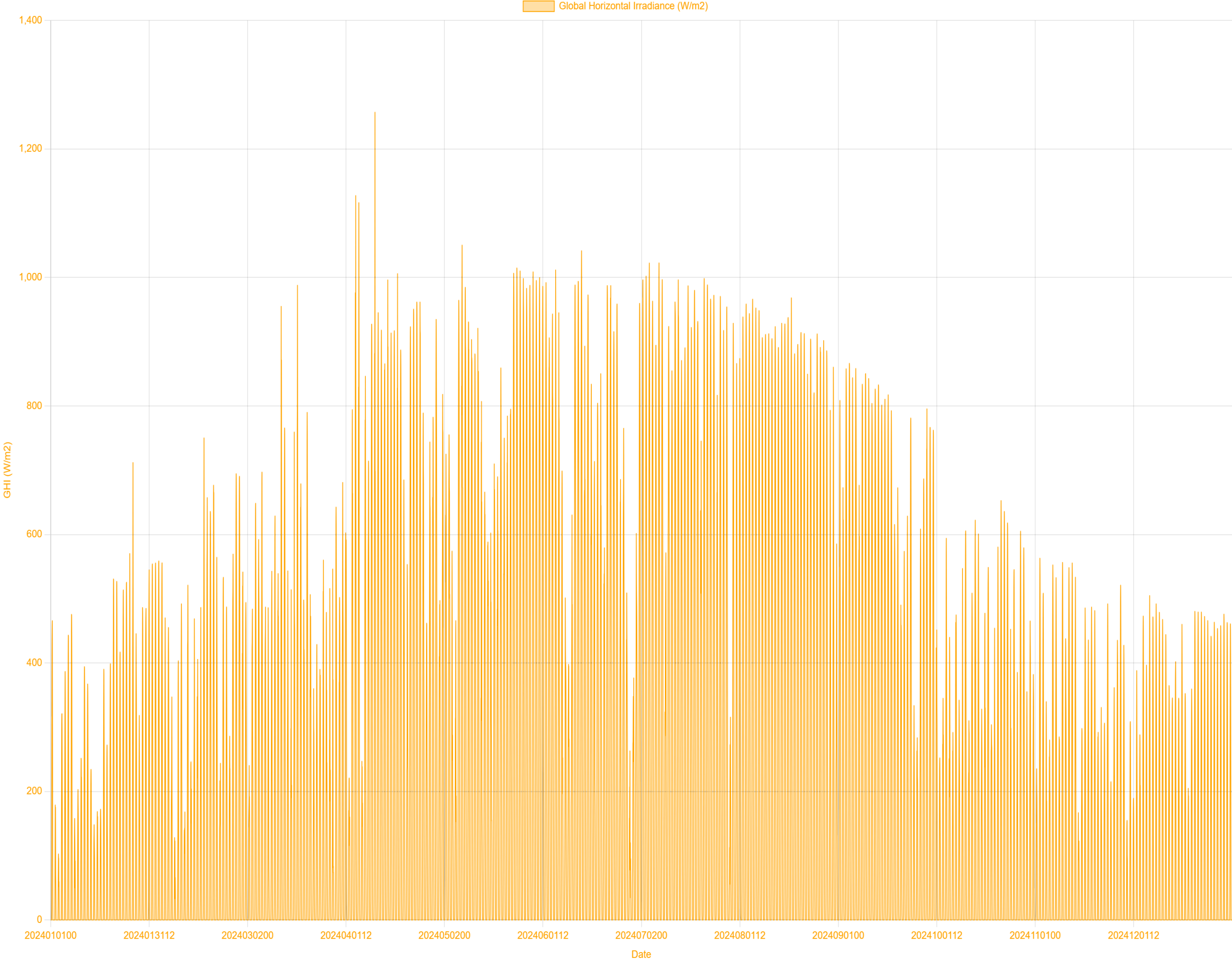
SOLAR DIFFUSE HORIZONTAL IRRADIANCE (DHI) GRAPH

Average	69.59 W/m²	Maximum	539.41 W/m²	Minimum	0 W/m²
---------	------------	---------	-------------	---------	--------

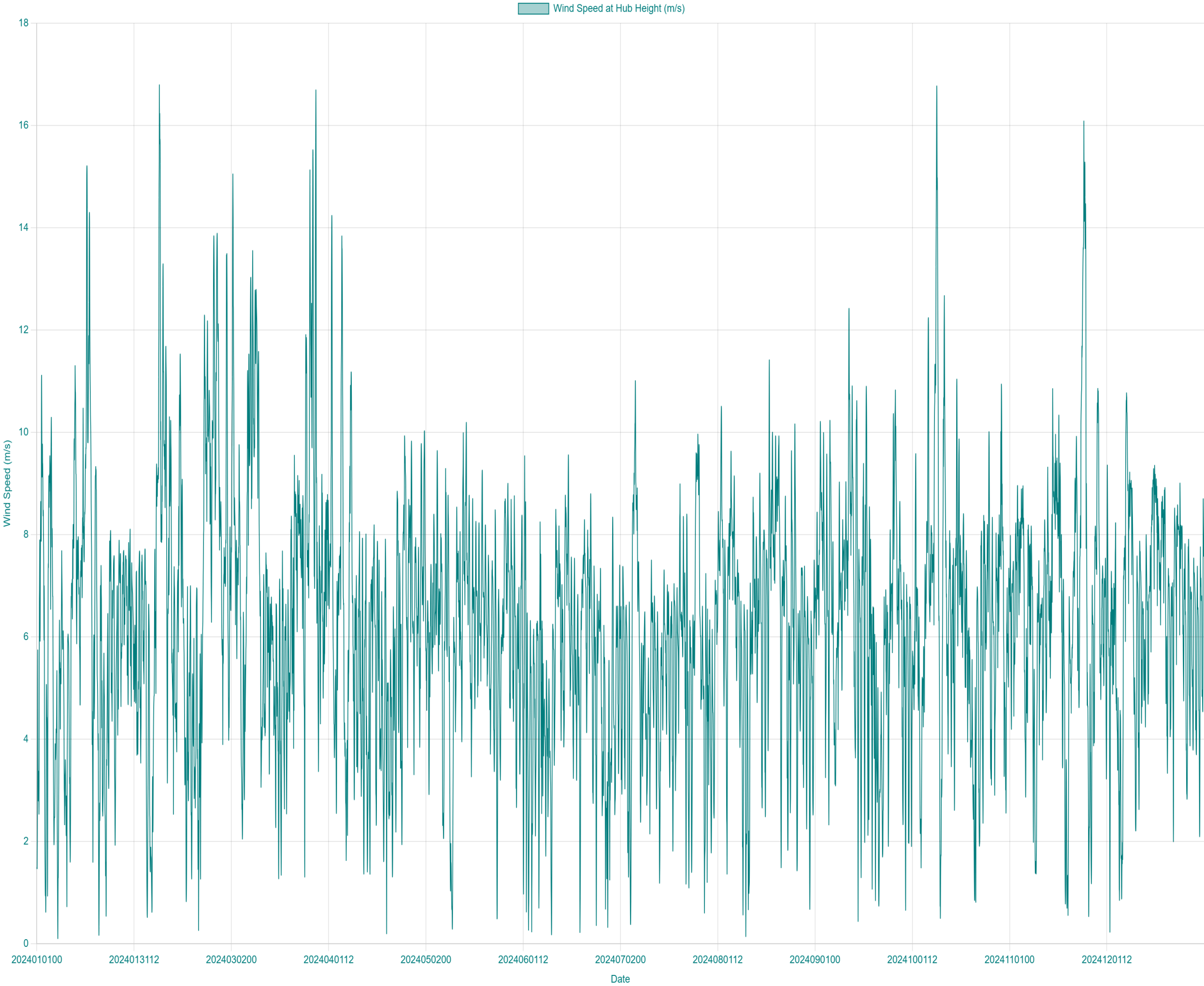


HOURLY GENERATION DATA

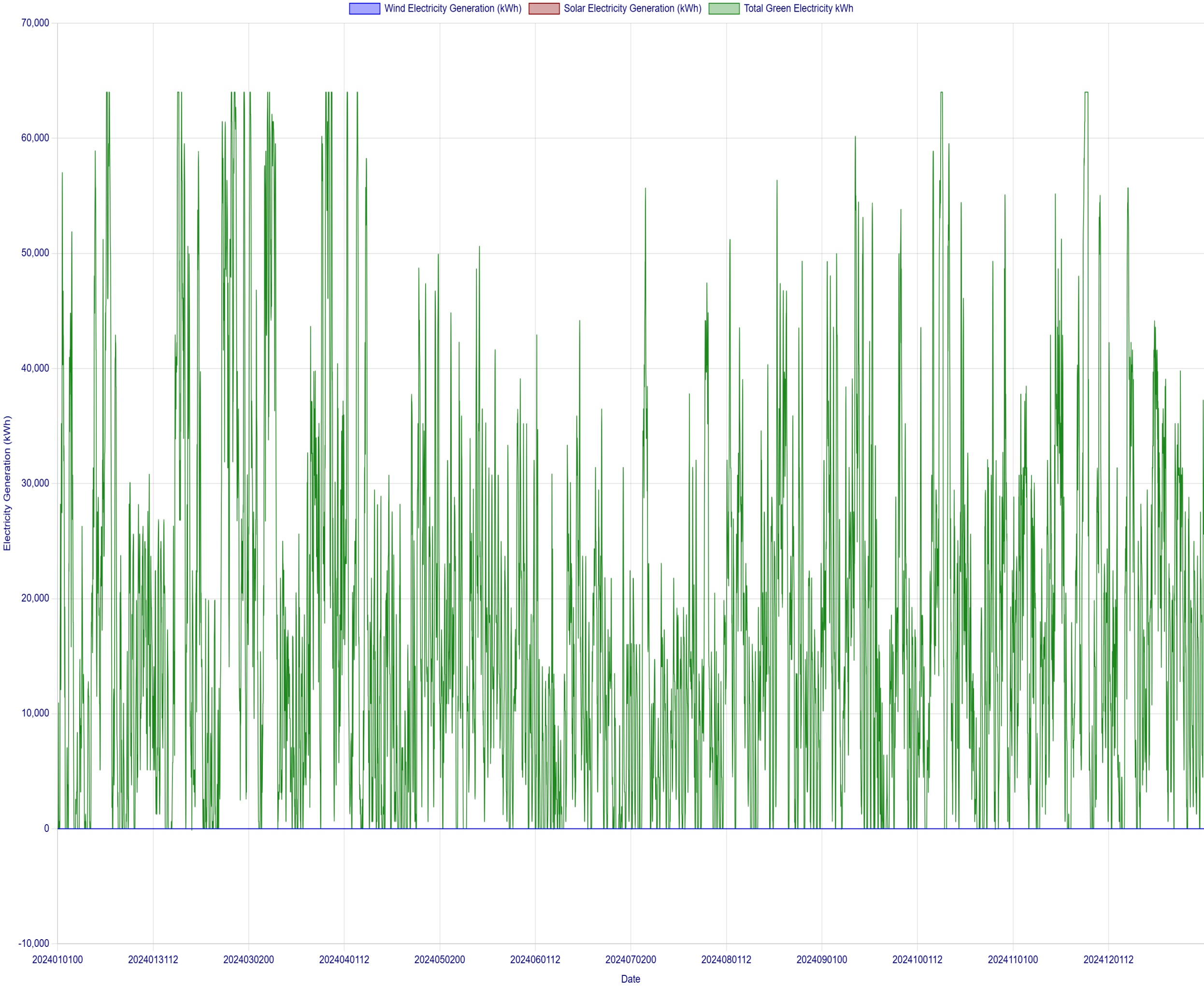
GLOBAL HORIZONTAL IRRADIANCE (GHI) GRAPH



WIND SPEED AT HUB HEIGHT GRAPH



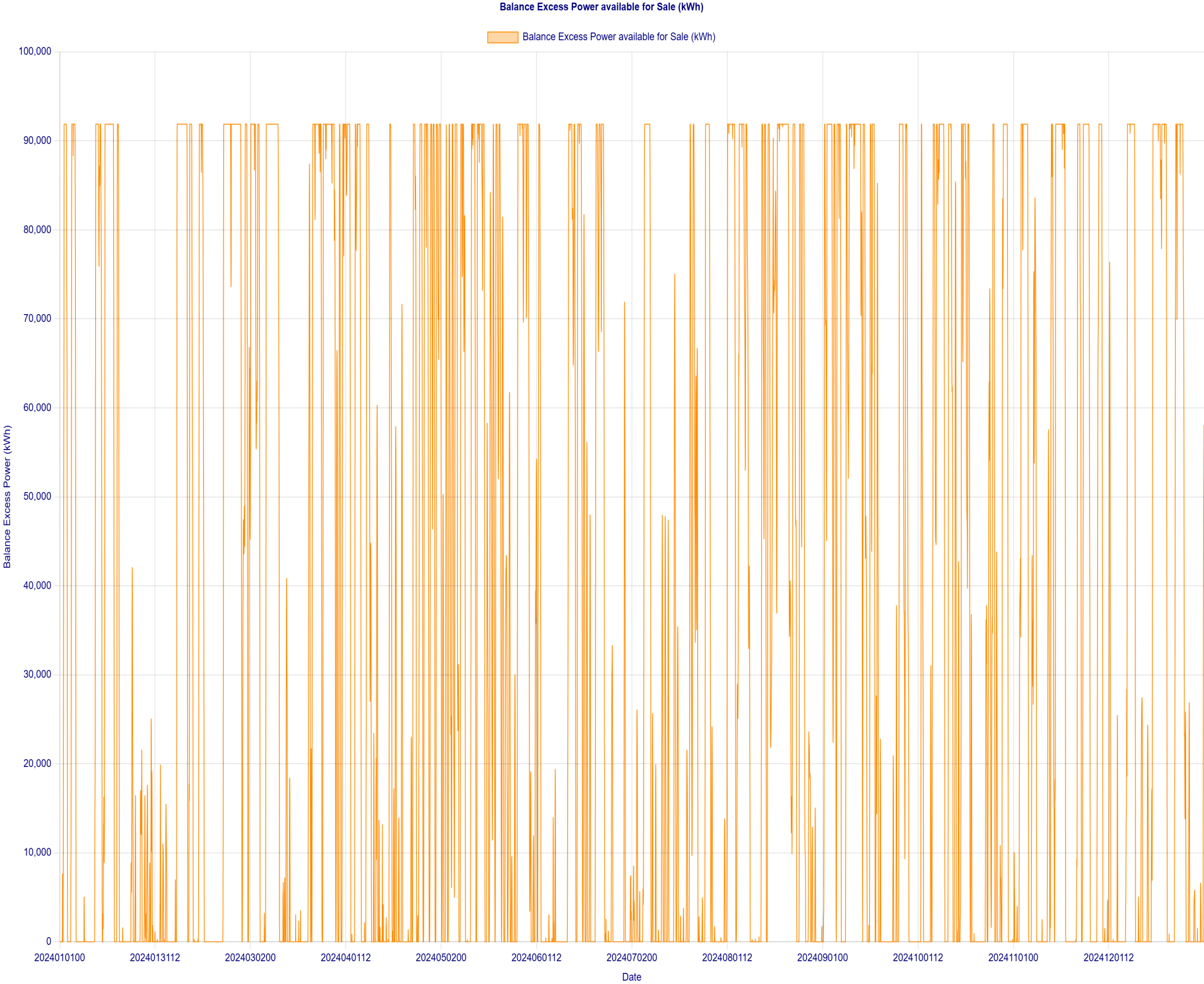
GREEN ELECTRICITY GENERATION GRAPH



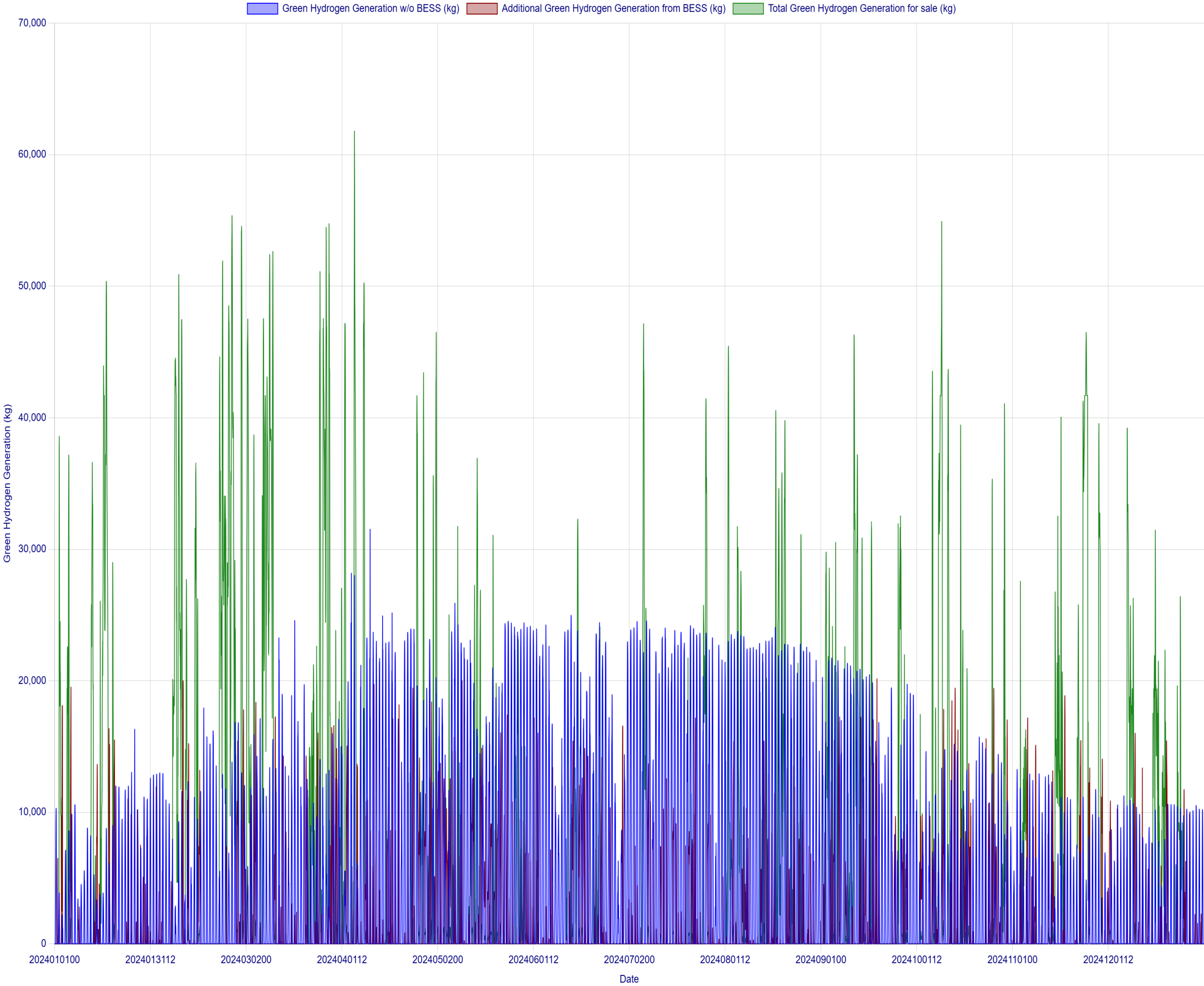
BESS POWER GRAPH



BALANCE EXCESS POWER AVAILABLE FOR SALE GRAPH



GREEN HYDROGEN GENERATION GRAPH



GREEN HYDROGEN GENERATION

Land Estimate

Details	Unit	Data
Land Requirement for Green Hydrogen Plant		
ELECTROLYSER SKIDS + RECTIFIERS	SQ.M	6120
HYDROGEN PROCESSING UNIT	SQ.M	2040
COMPRESSION SYSTEM	SQ.M	3060
BUFFER STORAGE YARD	SQ.M	3264
WATER TREATMENT & COOLING	SQ.M	3060
ELECTRICAL & CONTROL INFRASTRUCTURE	SQ.M	3672
FIRE SAFETY INFRASTRUCTURE	SQ.M	816
INTERNAL ROADS, CIRCULATION, SETBACKS	SQ.M	4896
O & M INFRASTRUCTURE	SQ.M	1224
TOTAL AREA FOR GREEN HYDROGEN PLANT	SQ.M / HECTARES / ACRES	33782.4 / 3.38 / 8.35
Land Requirement for Solar Power Generation		
TOTAL PV MODULE AREA	SQ.M	156722.41
LAND AREA UNDER ROWS	SQ.M	391806.03
GROSS LAND AREA INCL INFRASTRUCTURE	SQ.M	489757.54
TOTAL AREA FOR SOLAR POWER GENERATION	SQ.M / HECTARES / ACRES	489757.54 / 48.98 / 121.02
Land Requirement for Wind Power Generation		
WEG LAYOUT / SPACING AREA	SQ.M	10368000
ELECTRICAL SUBSTATION & SWITCHYARD	SQ.M	6400
SCADA / CONTROL BUILDING	SQ.M	3200
INTERNAL ACCESS ROADS	SQ.M	28800
CRANE PADS & LAYDOWN AREA	SQ.M	12800
CONSTRUCTION AREA	SQ.M	9600
TOTAL AREA FOR WIND POWER GENERATION	SQ.M / HECTARES / ACRES	10428800 / 1042.88 / 2577.01
Land Requirement for BESS Plant		
BATTERY BLOCK AREA	SQ.M	14776
INVERTER SKIDS & TRANSFORMERS AREA	SQ.M	1182.08
POWER CONVERSION SYSTEM AREA	SQ.M	1773.12
AREA FOR ROADS AND OTHER INFRASTRUCTURE	SQ.M	7092.48
TOTAL AREA FOR BESS PLANT	SQ.M / HECTARES / ACRES	24823.68 / 2.48 / 6.13
Total Land Requirement for the Project		
TOTAL LAND REQUIREMENT FOR THE PROJECT	SQ.M / HECTARES / ACRES	10977163.62 / 1097.72 / 2712.51
TOTAL PROJECT LAND COST		

ELECTROLYSER PLANT LAND COST	Million EUR	0.0167
SOLAR POWER PLANT LAND COST	Million EUR	0.242
WIND POWER PLANT LAND COST	Million EUR	5.154
BESS PLANT LAND COST	Million EUR	0.0123
TOTAL PROJECT LAND COST	Million EUR	5.425

GREEN HYDROGEN GENERATION

Capex Estimate

Details	Unit	Data
ELECTROLYSER PLANT CAPEX ESTIMATION BREAK-UP		
Single Stack Rating	kW	1200
No of Stacks Provided	nos	17
Cost of Stack + packaged BOP per kW	EUR/kW	700
Cost of Stacks+packaged BoP	Million EUR	14.28
Cost of Electrolyser Electrical System	Million EUR	1.19
Cost of Water Treatment & Circulation	Million EUR	0.476
Cost of Cooling System & Heat Rejection	Million EUR	0.952
Cost of Hydrogen Handling	Million EUR	0.714
Cost of Compression & Storage	Million EUR	1.19
Cost of Safety Systems	Million EUR	0.476
Cost of Civil + Buildings + Infrastructure	Million EUR	0.952
Cost of Construction & Installation	Million EUR	1.19
Cost of Project Management	Million EUR	0.476
Cost of Engineering, Permitting & Studies	Million EUR	0.476
Cost of EPC Management, HSE & QA/QC	Million EUR	0.476
Cost of Testing, Commissioning & COD activities	Million EUR	0.238
Cost of Insurance, Contingency & Spares	Million EUR	0.714
ELECTROLYSER PLANT CAPEX	Million EUR	23.8
ELECTROLYSER PLANT CAPEX PER KW	EUR/kW	1167
SOLAR PV PLANT CAPEX ESTIMATION BREAK-UP		
PV Module Rated Power	Wp	550
PV Module Cost	EUR/Wp	0.25
PV Module Total Quantity	nos	60830
Cost of Solar PV Modules	Million EUR	8.3641
Cost of Mounting Structures/Trackers	Million EUR	0.7604
Cost of Inverters	Million EUR	0.9124
Cost of DC+AC BOS & Electrical System	Million EUR	1.0645
Cost of Civil & Site Works	Million EUR	0.6083
Cost of Grid Interconnection & Substation	Million EUR	0.9124
Cost of Construction & Installation	Million EUR	0.7604
Cost of Project Management	Million EUR	0.4562
Cost of Engineering, Permitting & Studies	Million EUR	0.3041

Cost of EPC Management, HSE & QA/QC	Million EUR	0.3041
Cost of Testing, Commissioning & COD activities	Million EUR	0.1521
Cost of Insurance, Contingency & Spares	Million EUR	0.6083
SOLAR PV PLANT CAPEX	Million EUR	15.2075
SOLAR PV PLANT CAPEX PER KW	EUR/kW	545
WIND ENERGY GENERATOR PLANT CAPEX ESTIMATION BREAK-UP		
WEG Rated Power		2000
No of Wind Turbine Generators	Nos	32
Cost of Wind Energy Generator per kW	EUR/kW	600
Cost of Wind Energy Generator	Million EUR	38.4
Cost of WEG Electrical System	Million EUR	5.12
Cost of Civil & Site Works	Million EUR	6.4
Cost of Grid Interconnection & Substation	Million EUR	3.84
Cost of Construction & Installation	Million EUR	3.2
Cost of Project Management	Million EUR	1.28
Cost of Engineering, Permitting & Studies	Million EUR	1.28
Cost of EPC Management, HSE & QA/QC	Million EUR	0.64
Cost of Testing, Commissioning & COD activities	Million EUR	0.64
Cost of Insurance, Contingency & Spares	Million EUR	3.2
WEG PLANT CAPEX	Million EUR	64
WEG PLANT CAPEX PER KW	EUR/kW	1000
BESS PLANT CAPEX ESTIMATION BREAK-UP		
BESS Load	KW	45940
BESS Plant Capacity	KWH	118208
Cost of Cost of Battery System per kWH	EUR/kWH	100
Cost of Battery system (containers + cells + racks)	Million EUR	11.8208
Cost of PCS/Electrical System	Million EUR	5.2537
Cost of Balance of Plant	Million EUR	3.9403
Cost of Civil & Site Works	Million EUR	0.7881
Cost of Construction & Installation	Million EUR	1.0507
Cost of Project Management	Million EUR	0.7881
Cost of Engineering, Permitting & Studies	Million EUR	0.5254
Cost of EPC Management, HSE & QA/QC	Million EUR	0.5254
Cost of Testing, Commissioning & COD activities	Million EUR	0.2627
Cost of Insurance, Contingency & Spares	Million EUR	1.3134
BESS PLANT CAPEX	Million EUR	26.2684
BESS PLANT CAPEX PER KW	EUR/kW	222
TOTAL INVESTMENT (CAPEX)		

Electrolyser Plant	Million EUR / %	23.81 / 17.16
Solar PV Plant	Million EUR / %	15.19 / 10.94
Wind Energy Generator Plant	Million EUR / %	64.00 / 46.11
BESS PLANT	Million EUR / %	26.24 / 18.91
PV OF Stack Replacement Cost	Million EUR / %	1.40 / 1.01
PV OF Battery Replacement Cost	Million EUR / %	2.72 / 1.96
PROJECT LAND COST	Million EUR / %	5.43 / 3.91
Total Investment (CAPEX)	Million EUR / %	138.79 / 100
PROJECT FINANCIALS		
Gross Project Cost excluding IDC	Million EUR	138.79
Capital Subsidy	Million EUR	6.94
Net Project Cost excluding IDC	Million EUR	131.85
Equity	%	30
Debt	%	70
Equity Capital Cost	Million EUR	40.62
Borrowed Capital Cost	Million EUR	94.78
Project Schedule for the Plant	Months	9
Interest During Construction(IDC)	Million EUR	3.55
Total Borrowing	Million EUR	98.33
Net Project Cost including IDC	Million EUR	135.40
Total Project Cost	Million EUR	135.4
Installed Cost of Green Hydrogen Plant	EUR/kW	6770

GREEN HYDROGEN GENERATION

Carbon Footprint

Details	Unit	Data
CARBON FOOTPRINT - GHG EMISSION REDUCTION		
Baseline		Grey H2 from SMR
Baseline Emissions Factor for Grey H ₂ (SMR)	kg CO ₂ e/kg H ₂	10.5
Baseline Emissions Factor for Grid Power	kg CO ₂ e/kWh	0.45
Project Lifecycle Intensity Emissions	kg CO ₂ e/kg H ₂	1.59
Emission Reduction per kg of H ₂ generation	kg CO ₂ e/kg H ₂	8.91
Annual Emission Reduction by H ₂ generation	kg CO ₂ e/year	25388551.59
Annual Emission Reduction by Excess Green Power Export	kg CO ₂ e/year	18183962.25
Annual Total Emission Reduction from the Project	kg CO ₂ e/year	43572513.84
Annual Total Emission Reduction from the Project	tons of CO ₂ e/year	43572.51
Carbon Credit Market/Standard		Verra VCS
Market Price for Carbon Credit for avoidance Project	USD/tons of CO ₂ e	20
Annual additional revenue from Carbon Credit	EUR	727785.43
GREENHOUSE GAS EQUIVALENCIES		
Petrol consumption for passenger cars for one year	No of Petrol Cars	10152
Electricity for passenger electric cars for one year	No of Electric Cars	38475
Equivalent to Coal burning	kgs	21960547
Equivalent to Oil consumption	barrels	100217
Equivalent to Petrol consumption	litres	18649036
Equivalent to Diesel consumption	litres	16208975
Equivalent to carbon sequestered by tree seedlings grown for 10 years	No of trees	718946

GREEN HYDROGEN GENERATION

Key Results

Details	Unit	Data
SITE AMBIENT,SOLAR AND WIND DATA		
PROJECT NAME		EUROPE
SITE LOCATION		Fátima, Ourém, Santarém, Portugal
SITE LATITUDE	(+ = North & - = South hemisphere)	39.625550
SITE LONGITUDE	(+ = East & - = West of Greenwich meridian)	-8.665908
SITE ELEVATION	meters above Mean Sea Level	350
GRID ELEVATION	meters above Mean Sea Level	129.56
MEAN AMBIENT TEMPERATURE	°C	16.41
MAXIMUM AMBIENT TEMPERATURE	°C	38.46
MINIMUM AMBIENT TEMPERATURE	°C	1.6
MEAN PRECIPITATION	mm/hr	1.7
MAXIMUM PRECIPITATION	mm/hr	92.66
MINIMUM PRECIPITATION	mm/hr	0
MEAN AIR DENSITY	kg/m³	1.2
MAXIMUM AIR DENSITY	kg/m³	1.28
MINIMUM AIR DENSITY	kg/m³	1.12
MEAN WIND SPEED @ 10M	m/s	3.67
MAXIMUM WIND SPEED @ 10M	m/s	11.13
MINIMUM WIND SPEED @ 10M	m/s	0.04
MEAN WIND SPEED @ 50M	m/s	5.5
MAXIMUM WIND SPEED @ 50M	m/s	15.13
MINIMUM WIND SPEED @ 50M	m/s	0.11
MEAN RELATIVE HUMIDITY	%	76.48
MAXIMUM RELATIVE HUMIDITY	%	100
MINIMUM RELATIVE HUMIDITY	%	12.61
MEAN AMBIENT PRESSURE	kPa	100.21
MAXIMUM AMBIENT PRESSURE	kPa	102.24
MINIMUM AMBIENT PRESSURE	kPa	97.4
MEAN DIRECT NORMAL IRRADIANCE (DNI)	W/m²	209.45
MAXIMUM DIRECT NORMAL IRRADIANCE (DNI)	W/m²	1060.46
MINIMUM DIRECT NORMAL IRRADIANCE (DNI)	W/m²	0
MEAN DIRECT HORIZONTAL IRRADIANCE (DHI)	W/m²	69.59
MAXIMUM HORIZONTAL IRRADIANCE (DHI)	W/m²	539.41
MINIMUM HORIZONTAL IRRADIANCE (DHI)	W/m²	0

DATA ANALYSIS RESULTS		
AVERAGE ALPHA		0.258
SITE TERRAIN		Rough/Urban
AVERAGE COEFFICIENT OF PERFORMANCE		0.388
50 YEAR RETURN WIND SPEED @ HUB HEIGHT	m/s	23.86
TURBULANCE INTENSITY @ 15m/s WIND SPEED		0.035
IEC WIND CLASS		IV
IEC WIND SITE CLASSIFICATION		Very Low Wind Site
IEC TURBULANCE CLASS		C
IEC TURBULANCE CLASSIFICATION		Low turbulence
MAXIMUM WIND SPEED @ HUB HEIGHT	m/s	16.78
AVERAGE WIND SPEED @ HUB HEIGHT	m/s	6.28
MINIMUM WIND SPEED @ HUB HEIGHT	m/s	0.11
MAXIMUM GLOBAL HORIZONTAL IRRADIANCE (GHI)	W/m²	1253.53
AVERAGE GLOBAL HORIZONTAL IRRADIANCE (GHI)	W/m²	189.42
MINIMUM GLOBAL HORIZONTAL IRRADIANCE (GHI)	W/m²	0
PLANT CAPACITIES AND OUTPUT GENERATION		
SOLAR PV PLANT CAPACITY	KW	27880
WIND TURBINE PLANT CAPACITY	KW	64000
BESS PLANT CAPACITY	KWH	118208
ANNUAL GREEN HYDROGEN PRODUCTION	KG / MT	2849680 / 2849.68
EXCESS GREEN POWER FOR SALE	MKWH	40.41
ANNUAL OXYGEN PRODUCTION(Vented to atmosphere)	KG / MT	22797440 / 22797.44
PLANT LOAD FACTOR ACHIVED		
ELECTROLYSER PLANT	%	77.89
SOLAR PV PLANT	%	15.94
ON SHORE WIND TURBINE	%	27.57
BESS	%	2.71
CARBON FOOTPRINT - GHG EMISSION REDUCTION		
Annual Emission Reduction by H₂ generation	tons of CO₂e/year	25388.55
Annual Emission Reduction by Excess Green Power Export	tons of CO₂e/year	18183.96
Annual Total Emission Reduction from the Project	tons of CO₂e/year	43572.51
PROJECT INVESTMENT		
TOTAL PROJECT COST	Million EUR	135.4
TOTAL PROJECT COST IN USD	Million USD	162.13
PROJECT COST PER KW	EUR/KW	6770
LEVELAISED COST OF GENERATION		

GREEN HYDROGEN	EUR/KG	5.73
GREEN HYDROGEN PRICE IN \$ PER MMBTU	USD/MMBTU	59.83
GREEN HYDROGEN IN USD	USD/KG	6.86
OWN SOLAR POWER	EUR/KWH	0.0589
OWN WIND POWER	EUR/KWH	0.0620
EXCESS GREEN POWER	EUR/KWH	0.1076
SALE PRICE WITHOUT ESCALATION		
GREEN HYDROGEN	EUR/KG	6.00
EXCESS GREEN POWER	EUR/KWH	0.10
PROJECT ECONOMICS		
AVERAGE DSCR		1.260
MINIMUM DSCR		0.911
PROJECT IRR	%	10.96
PROJECT NPV	Million EUR	-6.398
PROJECT PAY BACK PERIOD	YEARS	9.12
EQUITY IRR	%	28.38
EQUITY NPV	Million EUR	35.077
EQUITY PAY BACK PERIOD	YEARS	3.52

GREEN HYDROGEN GENERATION																					
ESTIMATED GENERATION AND POWER BALANCE																					
PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
ELECTROLYSER PLANT																					
CAPACITY	MW	20.000	19.990	19.980	19.970	19.960	19.950	19.940	19.930	19.920	19.910	19.900	19.890	19.880	19.870	19.860	19.850	19.840	19.830	19.820	19.810
OPERATING HOURS	HR	6842	6842	6842	6842	6842	6842	6842	6842	6842	6842	6842	6842	6842	6842	6842	6842	6842	6842	6842	6842
GROSS GENERATION	KG	2849680	2848221	2846796	2845372	2843947	2842522	2841097	2839672	2838247	2836823	2835398	2833973	2832548	2831123	2829698	2828274	2826849	2825424	2823999	2822574
POWER CONSUMED	MKWHR	150.526	150.449	150.373	150.298	150.223	150.148	150.072	149.997	149.922	149.847	149.771	149.696	149.621	149.546	149.470	149.395	149.320	149.245	149.169	149.094
AUXILIARY POWER	MKWHR	15.053	15.045	15.037	15.030	15.022	15.015	15.007	15.000	14.992	14.985	14.977	14.970	14.962	14.955	14.947	14.940	14.932	14.925	14.917	14.909
SOLAR PV PLANT (OWN GENERATION)																					
CAPACITY	MW	27.880	27.860	27.840	27.821	27.802	27.783	27.764	27.745	27.726	27.707	27.688	27.669	27.650	27.631	27.612	27.593	27.574	27.555	27.536	27.517
OPERATING HOURS	HR	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832	1399.832
GROSS GENERATION	MKWHR	39.027	38.999	38.971	38.945	38.918	38.892	38.865	38.838	38.812	38.785	38.759	38.732	38.705	38.679	38.652	38.626	38.599	38.572	38.546	38.519
AUXILIARY CONSUMPTION	MKWHR	0.390	0.390	0.390	0.389	0.389	0.389	0.389	0.388	0.388	0.388	0.388	0.387	0.387	0.387	0.387	0.386	0.386	0.386	0.385	0.385
TRANSMISSION LOSS	MKWHR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NET GENERATION	MKWHR	38.637	38.609	38.581	38.556	38.529	38.503	38.476	38.450	38.424	38.397	38.371	38.345	38.318	38.292	38.265	38.240	38.213	38.186	38.161	38.134
WIND TURBINE (OWN GENERATION)																					
CAPACITY	MW	64.000	63.987	63.974	63.961	63.948	63.935	63.922	63.909	63.896	63.883	63.870	63.857	63.844	63.831	63.818	63.805	63.792	63.779	63.766	63.753
OPERATING HOURS	HR	2422	2422	2422	2422	2422	2422	2422	2422	2422	2422	2422	2422	2422	2422	2422	2422	2422	2422	2422	2422
GROSS GENERATION	MKWHR	155.008	154.977	154.945	154.914	154.882	154.851	154.819	154.788	154.756	154.725	154.693	154.662	154.630	154.599	154.567	154.536	154.504	154.473	154.441	154.410
AUXILIARY CONSUMPTION	MKWHR	0.775	0.775	0.775	0.775	0.774	0.774	0.774	0.774	0.774	0.774	0.773	0.773	0.773	0.773	0.773	0.773	0.773	0.772	0.772	0.772
TRANSMISSION LOSS	MKWHR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NET GENERATION	MKWHR	154.233	154.202	154.170	154.139	154.108	154.077	154.045	154.014	153.982	153.951	153.920	153.889	153.857	153.826	153.794	153.763	153.731	153.701	153.669	153.638
TOTAL OWN GENERATION																					
TOTAL OWN GENERATION	MKWHR	192.870	192.811	192.751	192.695	192.637	192.580	192.521	192.464	192.406	192.348	192.291	192.234	192.175	192.118	192.059	192.003	191.944	191.887	191.830	191.772
BATTERY ENERGY STORAGE SYSTEM (BESS) PLANT																					
CAPACITY	MWH	118.208	116.512	114.815	113.119	111.423	109.727	108.030	106.334	104.638	102.941	101.245	99.549	118.208	116.512	114.815	113.119	111.423	109.727	108.030	106.334
OPERATING LOAD	MW	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940	45.940
OPERATING HOURS	HR	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238
BESS NET CONSUMPTION	MKWHR	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934	10.934
AUXILIARY POWER	MKWHR	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093
ADDITIONAL HYDROGEN GENERATION WITH BESS	KG	204927	204825	204723	204621	204519	204417	204315	204213	204111	204009	203907	203805	203703	203601	203499	203397	203295	203193	203091	202989

HYDROGEN GENERATION W/O BESS	KG	2644753	2643396	2642073	2640751	2639428	2638105	2636782	2635459	2634136	2632814	2631491	2630168	2628845	2627522	2626199	2624877	2623554	2622231	2620908	2619585
TOTAL HYDROGEN GENERATION	KG	2849680	2848221	2846796	2845372	2843947	2842522	2841097	2839672	2838247	2836823	2835398	2833973	2832548	2831123	2829698	2828274	2826849	2825424	2823999	2822574
GRID POWER PURCHASED																					
SOLAR POWER		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WIND POWER	MKWHR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL PURCHASED POWER	MKWHR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
POWER BALANCE																					
TOTAL POWER (OWN+PURCHASED)	MKWHR	192.870	192.811	192.751	192.695	192.637	192.580	192.521	192.464	192.406	192.348	192.291	192.234	192.175	192.118	192.059	192.003	191.944	191.887	191.830	191.772
POWER CONSUMED IN ELECTROLYSER	MKWHR	139.701	139.629	139.560	139.490	139.420	139.350	139.280	139.210	139.140	139.071	139.001	138.931	138.861	138.791	138.721	138.651	138.581	138.511	138.442	138.372
BESS GROSS CONSUMPTION	MKWHR	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027	12.027
EXCESS GREEN POWER AVAILABLE FOR SALES	MKWHR	41.142	41.155	41.164	41.178	41.190	41.203	41.214	41.227	41.239	41.250	41.263	41.276	41.287	41.300	41.311	41.325	41.336	41.349	41.361	41.373
AUXILIARY POWER & OTHER LOSSES																					
ELECTROLYSER	MKWHR	15.053	15.045	15.037	15.030	15.022	15.015	15.007	15.000	14.992	14.985	14.977	14.970	14.962	14.955	14.947	14.940	14.932	14.925	14.917	14.909
SOLAR POWER	MKWHR	0.390	0.390	0.390	0.389	0.389	0.389	0.389	0.388	0.388	0.388	0.388	0.387	0.387	0.387	0.387	0.386	0.386	0.386	0.385	0.385
WIND POWER	MKWHR	0.775	0.775	0.775	0.775	0.774	0.774	0.774	0.774	0.774	0.774	0.773	0.773	0.773	0.773	0.773	0.773	0.773	0.772	0.772	0.772
BESS	MKWHR	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093	1.093
TOTAL AUXILIARY POWER & OTHER LOSSES	MKWHR	17.311	17.303	17.295	17.287	17.278	17.271	17.263	17.255	17.247	17.240	17.231	17.223	17.215	17.208	17.200	17.192	17.184	17.176	17.167	17.159

GREEN HYDROGEN GENERATION

FIXED ASSETS, WORKING CAPITAL AND DEBT

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
NET FIXED ASSETS																					
GROSS FIXED ASSETS OPENING	Million EUR	135.400	135.400	135.400	135.400	135.400	135.400	135.400	135.400	135.400	135.400	139.754	139.754	139.754	151.634	151.634	151.634	151.634	151.634	151.634	151.634
ADD:STACK REPLACEMENT	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.354	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
ADD:BATTERY REPLACEMENT	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	11.880	0.000	0.000	0.000	0.000	0.000	0.000	0.000
GROSS FIXED ASSETS CLOSSING	Million EUR	135.400	135.400	135.400	135.400	135.400	135.400	135.400	135.400	135.400	139.754	139.754	139.754	151.634	151.634	151.634	151.634	151.634	151.634	151.634	151.634
DEPRECIATION:INITIAL	Million EUR	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093
DEPRECIATION:STACK	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.396	0.435	0.484	0.544	0.622	0.726	0.871	1.088	1.451	2.177	4.354
DEPRECIATION:BATTERY	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.485	1.697	1.980	2.376	2.970	3.960	5.940	11.880
TOTAL DEPRECIATION	Million EUR	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.489	6.528	6.577	8.122	8.412	8.799	9.340	10.151	11.504	14.210	22.327
CUMULATIVE DEPRECIATION	Million EUR	6.093	12.186	18.279	24.372	30.465	36.558	42.651	48.744	54.837	61.326	67.854	74.431	82.553	90.965	99.764	109.104	119.255	130.759	144.969	167.296
NET FIXED ASSETS	Million EUR	129.307	123.214	117.121	111.028	104.935	98.842	92.749	86.656	80.563	78.428	71.900	65.323	69.081	60.669	51.870	42.530	32.379	20.875	6.665	-15.662
WORKING CAPITAL																					
TOTAL REVENUE	Million EUR	22.326	22.660	22.990	23.748	24.081	22.709	23.097	23.457	24.246	24.633	25.023	25.438	26.255	26.672	27.114	27.559	28.404	28.850	29.323	30.197
RECEIVABLES	Million EUR	1.861	1.888	1.916	1.979	2.007	1.892	1.925	1.955	2.021	2.053	2.085	2.120	2.188	2.223	2.260	2.297	2.367	2.404	2.444	2.516
SPARES	Million EUR	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354
O&M TIED UP	Million EUR	0.599	0.613	0.629	0.645	0.662	0.680	0.699	0.719	0.740	0.762	0.786	0.811	0.838	0.866	0.896	0.928	0.961	0.997	1.034	1.074
WORKING CAPITAL REQUIREMENT	Million EUR	3.814	3.855	3.899	3.978	4.023	3.926	3.978	4.028	4.115	4.169	4.225	4.285	4.380	4.443	4.510	4.579	4.682	4.755	4.832	4.944
WORKING CAPITAL LOAN LESS MARGIN	Million EUR	2.861	2.891	2.924	2.984	3.017	2.945	2.984	3.021	3.086	3.127	3.169	3.214	3.285	3.332	3.383	3.434	3.512	3.566	3.624	3.708
Δ WORING CAPITAL REQUIREMENT	Million EUR	3.814	0.041	0.044	0.079	0.045	-0.097	0.052	0.050	0.087	0.054	0.056	0.060	0.095	0.063	0.067	0.069	0.103	0.073	0.077	0.112
Δ WORING CAPITAL LOAN	Million EUR	2.861	0.030	0.033	0.060	0.033	-0.072	0.039	0.037	0.065	0.041	0.042	0.045	0.071	0.047	0.051	0.051	0.078	0.054	0.058	0.084
DEBT																					
TERM LOAN OPENING	Million EUR	98.330	98.330	98.330	88.497	78.664	68.831	58.998	49.165	39.332	29.499	19.666	9.833	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TERM LOAN REPAYMENT	Million EUR	0.000	0.000	9.833	9.833	9.833	9.833	9.833	9.833	9.833	9.833	9.833	9.833	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

TERM LOAN CLOSING	Million EUR	98.330	98.330	88.497	78.664	68.831	58.998	49.165	39.332	29.499	19.666	9.833	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INTEREST ON TERM LOAN	Million EUR	6.883	6.883	6.883	6.195	5.506	4.818	4.130	3.442	2.753	2.065	1.377	0.688	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WORKING CAPITAL LOAN	Million EUR	2.861	2.891	2.924	2.984	3.017	2.945	2.984	3.021	3.086	3.127	3.169	3.214	3.285	3.332	3.383	3.434	3.512	3.566	3.624	3.708
INTEREST ON WORKING CAPITAL LOAN	Million EUR	0.200	0.202	0.205	0.209	0.211	0.206	0.209	0.211	0.216	0.219	0.222	0.225	0.230	0.233	0.237	0.240	0.246	0.250	0.254	0.260

GREEN HYDROGEN GENERATION																					
ESTIMATION OF LEVELISED COST OF GENERATION																					
PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
POWER PURCHASE COST																					
SOLAR POWER PURCHASE COST	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WIND POWER PURCHASE COST	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL POWER PURCHASE COST	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WATER COST																					
WATER COST	Million EUR	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
INTEREST ON TERM LOAN																					
INTEREST ON TERM LOAN	Million EUR	6.883	6.883	6.883	6.195	5.506	4.818	4.130	3.442	2.753	2.065	1.377	0.688	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
BOOK DEPRECIATION																					
OPENING VALUE	Million EUR	135.400	129.307	123.214	117.121	111.028	104.935	98.842	92.749	86.656	80.563	74.074	67.546	60.969	52.847	44.435	35.636	26.296	16.145	4.641	-9.569
BOOK DEPRECIATION	Million EUR	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.489	6.528	6.577	8.122	8.412	8.799	9.340	10.151	11.504	14.210	22.327
CLOSING VALUE	Million EUR	129.307	123.214	117.121	111.028	104.935	98.842	92.749	86.656	80.563	74.074	67.546	60.969	52.847	44.435	35.636	26.296	16.145	4.641	-9.569	-31.896
CUMULATIVE DEPRECIATION	Million EUR	6.093	12.186	18.279	24.372	30.465	36.558	42.651	48.744	54.837	61.326	67.854	74.431	82.553	90.965	99.764	109.104	119.255	130.759	144.969	167.296
O & M EXPENSES																					
O & M EXPENSES	Million EUR	6.770	6.934	7.107	7.291	7.486	7.692	7.911	8.142	8.388	8.648	8.924	9.216	9.526	9.854	10.202	10.570	10.961	11.375	11.814	12.279
SOLAR PV MODULE REPLACEMENT COST																					
NO OF PV MODULES FOR REPLACEMENT	NOS	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042	3042
PV MODULE UNIT COST	EUR	137.500	140.250	143.055	145.916	148.834	151.811	154.847	157.944	161.103	164.325	167.612	170.964	174.383	177.871	181.428	185.057	188.758	192.533	196.384	200.312
SOLAR PV MODULE REPLACEMENT COST	Million EUR	0.418	0.427	0.435	0.444	0.453	0.462	0.471	0.480	0.490	0.500	0.510	0.520	0.530	0.541	0.552	0.563	0.574	0.586	0.597	0.609
RETURN ON EQUITY																					
RETURN ON EQUITY	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INTEREST ON WORKING CAPITAL																					
WORKING CAPITAL	Million EUR	3.814	3.855	3.899	3.978	4.023	3.926	3.978	4.028	4.115	4.169	4.225	4.285	4.380	4.443	4.510	4.579	4.682	4.755	4.832	4.944
INTEREST ON WORKING CAPITAL	Million EUR	0.200	0.202	0.205	0.209	0.211	0.206	0.209	0.211	0.216	0.219	0.222	0.225	0.230	0.233	0.237	0.240	0.246	0.250	0.254	0.260
INCOME TAX																					

INCOME TAX	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.112	1.651	1.949	2.237	2.337	2.471	2.594	2.702	2.884	2.965	3.038	3.186
TOTAL COST OF GENERATION																						
TOTAL COST OF GENERATION	Million EUR	20.381	20.556	20.740	20.249	19.766	19.288	18.831	18.385	19.069	19.589	19.527	19.480	20.762	21.528	22.401	23.432	24.833	26.697	29.930	38.678	
LEVELIZED COST OF GENERATION (LCOG)																						
DISCOUNTING FACTOR		1.00	0.89	0.80	0.71	0.64	0.57	0.51	0.45	0.40	0.36	0.32	0.29	0.26	0.23	0.20	0.18	0.16	0.15	0.13	0.12	
LCOG - GREEN HYDROGEN																						
COST OF GENERATION	EUR/KG	5.63	5.68	5.73	5.60	5.46	5.33	5.21	5.09	5.28	5.42	5.41	5.40	5.76	5.97	6.21	6.50	6.89	7.41	8.31	10.75	
DISCOUNTED COST OF GENERATION	EUR/KG	5.63	5.06	4.58	3.98	3.49	3.04	2.66	2.29	2.11	1.95	1.73	1.57	1.50	1.37	1.24	1.17	1.10	1.11	1.08	1.29	
LEVELIZED COST OF GENERATION (LCOG)	EUR/KG	5.73																				
LCOG - SOLAR POWER (OWN USE)																						
COST OF GENERATION	EUR/KWH	0.0577	0.0583	0.0588	0.0575	0.0561	0.0548	0.0536	0.0523	0.0543	0.0558	0.0557	0.0556	0.0593	0.0615	0.0641	0.0671	0.0711	0.0765	0.0858	0.1110	
DISCOUNTED COST OF GENERATION	EUR/KWH	0.0577	0.0519	0.0470	0.0408	0.0359	0.0312	0.0273	0.0235	0.0217	0.0201	0.0178	0.0161	0.0154	0.0141	0.0128	0.0121	0.0114	0.0115	0.0112	0.0133	
LEVELIZED COST OF GENERATION (LCOG)	EUR/KWH	0.0589																				
LCOG - WIND POWER (OWN USE)																						
COST OF GENERATION	EUR/KWH	0.0609	0.0615	0.0620	0.0606	0.0591	0.0577	0.0564	0.0550	0.0571	0.0587	0.0585	0.0584	0.0622	0.0645	0.0672	0.0703	0.0745	0.0801	0.0898	0.1161	
DISCOUNTED COST OF GENERATION	EUR/KWH	0.0609	0.0547	0.0496	0.0430	0.0378	0.0329	0.0288	0.0248	0.0228	0.0211	0.0187	0.0169	0.0162	0.0148	0.0134	0.0127	0.0119	0.0120	0.0117	0.0139	
LEVELIZED COST OF GENERATION (LCOG)	EUR/KWH	0.0620																				
LCOG - EXCESS GREEN POWER GENERATION FOR SALE																						
COST OF GENERATION	EUR/KWH	0.1057	0.1066	0.1076	0.1051	0.1026	0.1002	0.0978	0.0955	0.0991	0.1018	0.1015	0.1013	0.1080	0.1121	0.1166	0.1220	0.1294	0.1391	0.1560	0.2017	
DISCOUNTED COST OF GENERATION	EUR/KWH	0.1057	0.0949	0.0861	0.0746	0.0657	0.0571	0.0499	0.0430	0.0396	0.0366	0.0325	0.0294	0.0281	0.0258	0.0233	0.0220	0.0207	0.0209	0.0203	0.0242	
LEVELIZED COST OF GENERATION (LCOG)	EUR/KWH	0.1076																				

GREEN HYDROGEN GENERATION																					
ESTIMATION OF REVENUE GENERATION																					
PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
PROJECTED REVENUE																					
REVENUE FROM SALE OF GREEN HYDROGEN																					
GREEN HYDROGEN GENERATION	KG	2644753	2643396	2642073	2640751	2639428	2638105	2636782	2635459	2634136	2632814	2631491	2630168	2628845	2627522	2626199	2624877	2623554	2622231	2620908	2619585
GREEN HYDROGEN SALE PRICE	EUR/KG	6.00	6.12	6.24	6.37	6.49	6.62	6.76	6.89	7.03	7.17	7.31	7.46	7.61	7.76	7.92	8.08	8.24	8.40	8.57	8.74
REVENUE FROM SALE OF GREEN HYDROGEN	Million EUR	15.869	16.178	16.487	16.822	17.130	17.464	17.825	18.158	18.518	18.877	19.236	19.621	20.006	20.390	20.799	21.209	21.618	22.027	22.461	22.895
REVENUE FROM SALE OF EXCESS GREEN POWER																					
EXCESS GREEN POWER AVAILABLE FOR SALES	MKWHR	41.142	41.155	41.164	41.178	41.190	41.203	41.214	41.227	41.239	41.250	41.263	41.276	41.287	41.300	41.311	41.325	41.336	41.349	41.361	41.373
EXCESS GREEN POWER SALE PRICE	EUR/KWH	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15
REVENUE FROM SALE OF EXCESS GREEN POWER	Million EUR	4.114	4.116	4.116	4.530	4.531	4.532	4.534	4.535	4.949	4.950	4.952	4.953	5.367	5.369	5.370	5.372	5.787	5.789	5.791	6.206
REVENUE FROM SALE OF CARBON CREDIT																					
ANNUAL TOTAL EMISSION REDUCTION FROM THE PROJECT	tCO ₂ e/year	43884	43877	43869	43863	43856	43850	43842	43836	43829	43822	43815	43809	43801	43795	43787	43781	43774	43768	43761	43754
CARBON CREDIT SALE PRICE	EUR/tCO ₂ e	16.70	17.20	17.72	18.25	18.80	19.36	19.94	20.54	21.16	21.79	22.45	23.12	23.81	24.53	25.26	26.02	26.80	27.61	28.44	29.29
REVENUE FROM SALE OF CARBON CREDIT	Million EUR	0.733	0.755	0.777	0.800	0.824	0.849	0.874	0.900	0.927	0.955	0.984	1.013	1.043	1.074	1.106	1.139	1.173	1.208	1.245	1.282
RE GENERATION BASED INCENTIVE (GBI)																					
RE GBI RATE	EUR/KWH	0.010	0.010	0.010	0.010	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REVENUE FROM RE GENERATION BASED INCENTIVE (GBI)	Million EUR	0.411	0.412	0.412	0.412	0.412	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
H ₂ GENERATION BASED INCENTIVE (GBI)																					
H ₂ GBI RATE	EUR/kgH ₂	0.500	0.500	0.500	0.500	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REVENUE FROM H ₂ GENERATION BASED INCENTIVE (GBI)	Million EUR	1.322	1.322	1.321	1.320	1.320	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REVENUE LOSS DUE TO CURTAILMENT / LOSSES FROM SALE OF EXCESS GREEN POWER																					
CURTAILMENT / LOSSES	%	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000
REVENUE LOSS DUE TO CURTAILMENT / LOSSES	Million EUR	0.123	0.123	0.123	0.136	0.136	0.136	0.136	0.136	0.148	0.149	0.149	0.149	0.161	0.161	0.161	0.161	0.174	0.174	0.174	0.186
TOTAL REVENUE GENERATION																					
TOTAL REVENUE GENERATION	Million EUR	22.326	22.660	22.990	23.748	24.081	22.709	23.097	23.457	24.246	24.633	25.023	25.438	26.255	26.672	27.114	27.559	28.404	28.850	29.323	30.197

GREEN HYDROGEN GENERATION

PROJECTED PROFITABILITY STATEMENT

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
EARNINGS BEFORE INTEREST TAX DEPRECIATION AMORTIZATION (EBITDA)																					
TOTAL REVENUE	Million EUR	22.326	22.660	22.990	23.748	24.081	22.709	23.097	23.457	24.246	24.633	25.023	25.438	26.255	26.672	27.114	27.559	28.404	28.850	29.323	30.197
POWER PURCHASE COST	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WATER COST	Million EUR	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017
O&M EXPENSES	Million EUR	6.770	6.934	7.107	7.291	7.486	7.692	7.911	8.142	8.388	8.648	8.924	9.216	9.526	9.854	10.202	10.570	10.961	11.375	11.814	12.279
PV MODULE REPLACEMENT COST	Million EUR	0.418	0.427	0.435	0.444	0.453	0.462	0.471	0.480	0.490	0.500	0.510	0.520	0.530	0.541	0.552	0.563	0.574	0.586	0.597	0.609
EBITDA	Million EUR	15.121	15.282	15.431	15.996	16.125	14.538	14.698	14.818	15.351	15.468	15.572	15.685	16.182	16.260	16.343	16.409	16.852	16.872	16.895	17.292
EARNINGS BEFORE INTEREST TAXES (EBIT)																					
BOOK DEPRECIATION	Million EUR	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.489	6.528	6.577	8.122	8.412	8.799	9.340	10.151	11.504	14.210	22.327
EBIT	Million EUR	9.028	9.189	9.338	9.903	10.032	8.445	8.605	8.725	9.258	8.979	9.044	9.108	8.060	7.848	7.544	7.069	6.701	5.368	2.685	-5.035
PROFIT BEFORE TAX (PBT)																					
INTEREST ON TERM LOAN	Million EUR	6.883	6.883	6.883	6.195	5.506	4.818	4.130	3.442	2.753	2.065	1.377	0.688	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INTEREST ON WORKING CAPITAL	Million EUR	0.200	0.202	0.205	0.209	0.211	0.206	0.209	0.211	0.216	0.219	0.222	0.225	0.230	0.233	0.237	0.240	0.246	0.250	0.254	0.260
PBT	Million EUR	1.945	2.104	2.250	3.499	4.315	3.421	4.266	5.072	6.289	6.695	7.445	8.195	7.830	7.615	7.307	6.829	6.455	5.118	2.431	-5.295
PROFIT AFTER TAX (PAT)																					
OPENING VALUE	Million EUR	135.400	121.860	109.674	98.707	88.836	79.952	71.957	64.761	58.285	56.810	51.129	46.016	53.294	47.965	43.168	38.851	34.966	31.469	28.322	25.490
TAX DEPRECIATION	Million EUR	13.540	12.186	10.967	9.871	8.884	7.995	7.196	6.476	5.829	5.681	5.113	4.602	5.329	4.797	4.317	3.885	3.497	3.147	2.832	2.549
CLOSING VALUE	Million EUR	121.860	109.674	98.707	88.836	79.952	71.957	64.761	58.285	52.456	51.129	46.016	41.414	47.965	43.168	38.851	34.966	31.469	28.322	25.490	22.941
CUMULATIVE DEPRECIATION	Million EUR	121.860	134.046	145.013	154.884	163.768	171.763	178.959	185.435	191.264	196.945	202.058	206.660	211.989	216.786	221.103	224.988	228.485	231.632	234.464	237.013
TAXABLE INCOME (AFTER LOSS (CF))	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.054	7.503	8.860	10.170	10.623	11.230	11.789	12.284	13.109	13.475	13.809	14.483
LOSS CARRIED FORWARD (CF)	Million EUR	5.502	9.491	12.115	12.394	10.870	9.351	6.188	1.499	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TAX	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.112	1.651	1.949	2.237	2.337	2.471	2.594	2.702	2.884	2.965	3.038	3.186
PAT	Million EUR	1.945	2.104	2.250	3.499	4.315	3.421	4.266	5.072	5.177	5.044	5.496	5.958	5.493	5.144	4.713	4.127	3.571	2.153	-0.607	-8.481

NET CASH ACCRUAL																					
NET CASH ACCRUAL	Million EUR	8.038	8.197	8.343	9.592	10.408	9.514	10.359	11.165	11.270	11.533	12.024	12.535	13.615	13.556	13.512	13.467	13.722	13.657	13.603	13.846
CUMULATIVE CASH ACCRUAL	Million EUR	0.000	8.197	16.540	26.132	36.540	46.054	56.413	67.578	78.848	90.381	102.405	114.940	128.555	142.111	155.623	169.090	182.812	196.469	210.072	223.918

GREEN HYDROGEN GENERATION																					
PROJECTED CASH FLOW STATEMENT																					
PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
OPERATING CASH FLOW																					
PAT	Million EUR	1.945	2.104	2.250	3.499	4.315	3.421	4.266	5.072	5.177	5.044	5.496	5.958	5.493	5.144	4.713	4.127	3.571	2.153	-0.607	-8.481
ADD:BOOK DEPRECIATION	Million EUR	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.489	6.528	6.577	8.122	8.412	8.799	9.340	10.151	11.504	14.210	22.327
LESS:Δ WORING CAPITAL REQUIREMENT	Million EUR	-3.814	-0.041	-0.044	-0.079	-0.045	0.097	-0.052	-0.050	-0.087	-0.054	-0.056	-0.060	-0.095	-0.063	-0.067	-0.069	-0.103	-0.073	-0.077	-0.112
OPERATING CASH FLOW	Million EUR	4.224	8.156	8.299	9.513	10.363	9.611	10.307	11.115	11.183	11.479	11.968	12.475	13.520	13.493	13.445	13.398	13.619	13.584	13.526	13.734
INVESTING CASH FLOW																					
SUBSIDY RECEIPT	Million EUR	6.940	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CASH RESERVE FOR FUTURE INVESTMENT	Million EUR	4.120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CAPEX STACK REPLACEMENT	Million EUR	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-4.354	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
CAPEX BATTERY REPLACEMENT	Million EUR	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-11.880	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
INVESTING CASH FLOW	Million EUR	11.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-4.354	0.000	0.000	-11.880	0.000	0.000	0.000	0.000	0.000	0.000	0.000
FINANCING CASH FLOW																					
INTEREST DURING CONSTRUCTION	Million EUR	3.550	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Δ WORING CAPITAL LOAN	Million EUR	2.861	0.030	0.033	0.060	0.033	-0.072	0.039	0.037	0.065	0.041	0.042	0.045	0.071	0.047	0.051	0.051	0.078	0.054	0.058	0.084
TERM LOAN REPAYMENT	Million EUR	-0.000	-0.000	-9.833	-9.833	-9.833	-9.833	-9.833	-9.833	-9.833	-9.833	-9.833	-9.833	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000	-0.000
FINANCING CASH FLOW	Million EUR	6.411	0.030	-9.800	-9.773	-9.800	-9.905	-9.794	-9.796	-9.768	-9.792	-9.791	-9.788	0.071	0.047	0.051	0.051	0.078	0.054	0.058	0.084
NET CASH MOVEMENT																					
NET CASH MOVEMENT	Million EUR	21.695	8.186	-1.501	-0.260	0.563	-0.294	0.513	1.319	1.415	-2.667	2.177	2.687	1.711	13.540	13.496	13.449	13.697	13.638	13.584	13.818
CASH BALANCE																					
OPENING CASH BALANCE	Million EUR	0.000	21.695	29.881	28.380	28.120	28.683	28.389	28.902	30.221	31.636	28.969	31.146	33.833	35.544	49.084	62.580	76.029	89.726	103.364	116.948
CLOSING CASH BALANCE	Million EUR	21.695	29.881	28.380	28.120	28.683	28.389	28.902	30.221	31.636	28.969	31.146	33.833	35.544	49.084	62.580	76.029	89.726	103.364	116.948	130.766

GREEN HYDROGEN GENERATION

PROJECTED BALANCE SHEET

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
LIABILITY & EQUITY																					
SHARE CAPITAL - EQUITY	Million EUR	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620	40.620
RETAINED EARNINGS	Million EUR	1.945	4.049	6.299	9.798	14.113	17.534	21.800	26.872	32.049	37.093	42.589	48.547	54.040	59.184	63.897	68.024	71.595	73.748	73.141	64.660
CASH RESERVE FOR FUTURE INVESTMENT	Million EUR	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120	4.120
CAPITAL SUBSIDY RESERVE	Million EUR	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940	6.940
TERM LOAN	Million EUR	98.330	98.330	88.497	78.664	68.831	58.998	49.165	39.332	29.499	19.666	9.833	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
WORKING CAPITAL LOAN	Million EUR	2.861	2.891	2.924	2.984	3.017	2.945	2.984	3.021	3.086	3.127	3.169	3.214	3.285	3.332	3.383	3.434	3.512	3.566	3.624	3.708
TOTAL LIABILITY & EQUITY	Million EUR	154.816	156.950	149.400	143.126	137.641	131.157	125.629	120.905	116.314	111.566	107.271	103.441	109.005	114.196	118.960	123.138	126.787	128.994	128.445	120.048
ASSETS																					
NET FIXED ASSETS	Million EUR	129.307	123.214	117.121	111.028	104.935	98.842	92.749	86.656	80.563	78.428	71.900	65.323	69.081	60.669	51.870	42.530	32.379	20.875	6.665	-15.662
RECEIVABLES	Million EUR	1.861	1.888	1.916	1.979	2.007	1.892	1.925	1.955	2.021	2.053	2.085	2.120	2.188	2.223	2.260	2.297	2.367	2.404	2.444	2.516
SPARES	Million EUR	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354	1.354
O&M TIED UP	Million EUR	0.599	0.613	0.629	0.645	0.662	0.680	0.699	0.719	0.740	0.762	0.786	0.811	0.838	0.866	0.896	0.928	0.961	0.997	1.034	1.074
CASH BALANCE	Million EUR	21.695	29.881	28.380	28.120	28.683	28.389	28.902	30.221	31.636	28.969	31.146	33.833	35.544	49.084	62.580	76.029	89.726	103.364	116.948	130.766
TOTAL ASSETS	Million EUR	154.816	156.950	149.400	143.126	137.641	131.157	125.629	120.905	116.314	111.566	107.271	103.441	109.005	114.196	118.960	123.138	126.787	128.994	128.445	120.048
CHECK																					
CHECK	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

GREEN HYDROGEN GENERATION

DEBT SERVICE COVERAGE RATIO

PARTICULARS/YEARS		YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
DEBT SERVICE COVERAGE RATIO (DSCR)																					
PROFIT AFTER TAX (PAT)	Million EUR	1.945	2.104	2.250	3.499	4.315	3.421	4.266	5.072	5.177	5.044	5.496	5.958	5.493	5.144	4.713	4.127	3.571	2.153	-0.607	-8.481
DEPRECIATION	Million EUR	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.093	6.489	6.528	6.577	8.122	8.412	8.799	9.340	10.151	11.504	14.210	22.327
INTEREST ON LOAN	Million EUR	6.883	6.883	6.883	6.195	5.506	4.818	4.130	3.442	2.753	2.065	1.377	0.688	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
REPAYMENT OF PRINCIPAL	Million EUR	0.000	0.000	9.833	9.833	9.833	9.833	9.833	9.833	9.833	9.833	9.833	9.833	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DEBT SERVICE	Million EUR	6.883	6.883	16.716	16.028	15.339	14.651	13.963	13.275	12.586	11.898	11.210	10.521	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DEBT SERVICE COVERAGE RATIO (DSCR)		2.168	2.191	0.911	0.985	1.037	0.978	1.038	1.100	1.114	1.143	1.195	1.257	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
AVERAGE DSCR		1.260																			
MINIMUM DSCR		0.911																			

GREEN HYDROGEN GENERATION

INTERNAL RATE OF RETURN (IRR) AND NET PRESENT VALUE (NPV)

PARTICULARS/YEARS		YEAR0	YEAR1	YEAR2	YEAR3	YEAR4	YEAR5	YEAR6	YEAR7	YEAR8	YEAR9	YEAR10	YEAR11	YEAR12	YEAR13	YEAR14	YEAR15	YEAR16	YEAR17	YEAR18	YEAR19	YEAR20
OVERALL PROJECT																						
CASH OUTFLOW	Million EUR	131.280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CASH INFLOW	Million EUR	0.000	26.181	15.282	15.431	15.996	16.125	14.538	14.698	14.818	15.351	11.114	15.572	15.685	4.302	16.260	16.343	16.409	16.852	16.872	16.895	17.292
SALVAGE VALUE	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.540
NET CASH INFLOW	Million EUR	-131.280	26.181	15.282	15.431	15.996	16.125	14.538	14.698	14.818	15.351	11.114	15.572	15.685	4.302	16.260	16.343	16.409	16.852	16.872	16.895	30.832
IRR (PROJECT)	%	10.96																				
NPV (PROJECT)	Million EUR	-6.398																				
PROJECT PAY BACK PERIOD	YEARS	9.12																				
EQUITY																						
CASH OUTFLOW	Million EUR	40.620	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
CASH INFLOW	Million EUR	0.000	19.098	8.197	8.343	9.592	10.408	9.514	10.359	11.165	11.270	7.179	12.024	12.535	1.735	13.556	13.512	13.467	13.722	13.657	13.603	13.846
SALVAGE VALUE	Million EUR	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	13.540
NET CASH INFLOW	Million EUR	-40.620	19.098	8.197	8.343	9.592	10.408	9.514	10.359	11.165	11.270	7.179	12.024	12.535	1.735	13.556	13.512	13.467	13.722	13.657	13.603	27.386
IRR (EQUITY)	%	28.38																				
NPV (EQUITY)	MillionEUR	35.077																				
EQUITY PAY BACK PERIOD	YEARS	3.52																				