Geographical coordinates

Country: Netherlands
Address: Eekerweg - Oldambt

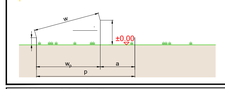
Latitude: 53.166193° N
Longitude: 6.916458° E

Areas:

	Fenced Area [m²]	Fence Length [m]
Field 1	263,845 m²	1,740 m
Field 2	364,825 m²	1,395 m
Field 4	102,365 m²	1,030 m
Fields 3,5,6	1,132,136 m²	5,051 m
Switchgear Fence	12,245 m²	500 m
Windmills Fence	7,365 m²	525 m
Total	1,882,781 m²	10,241 m

1 Typical Substructure

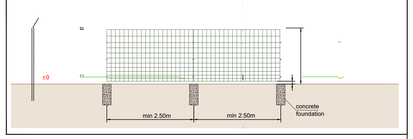
not to scale



Orientation	2P/3P South
Module dimensions [mm]	min.2200 x min.1100
Plane Tilt φ [°]	10
Azimuth [°]	-11
Clearance c [m]	min. 0.70
Height h [m]	max. 2.50
Pitch p [m]	min.6.35/min. 8.20
Aisle width a [m]	min. 1.80
Width w [m]	min.4.62/ min. 6.64
Proj. width w_p [m]	min.4.55/min. 6.40
No. of panels	Mld. Gron.= 146,973 Oldambt = 191,688 Sum = 338,661

2 Wire Mesh Fence

not to scale (Object to scale on another drawing)

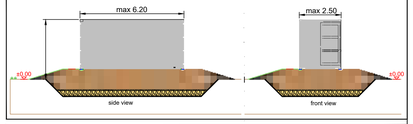


3 Container for spare parts

not to scale, units in m (Object to scale on another drawing)

4 Transformer Station

not to scale, units in m (Objects to scale in another drawing)



5 Collector Station

not to scale, units in m (Objects to scale in another drawing)

LEGEND

- PV Boundary
- Application Boundary
- Gate
- PV Rack
- PV Rack (HV cable clearance)
- PV Rack (RWE clearance)
- PV Rack (HV cable+RWE clearances)
- Existing road
- Fire Truck Route 3.25m
- Maintenance road < 4 m wide
- Inverter / Transformer station
- Collector Station
- OHL Clearance
- High Pressure NAM
- NAM Pipe
- Leiding A
- Waterschap Hunze en Aa's - Rioolleiding
- Enexis - Middenspanning
- Data cable clearance - total 12 m
- Windmills requirement for maintenance
- Windmill Clearance
- Water crossing/ Culvert

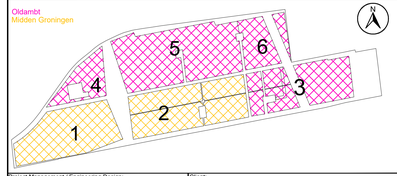
Before undertaking any civil works, the location of overhead-lines, burried cables, gas and water pipes are to be checked on site and also the corresponding owners of the utilities are to be contacted

Please note that all drawing contents have to be checked on the contractor's own responsibility prior to construction start. Discrepancies have to be communicated to the contractual partner or to the responsible technical planners. Drawing numbers and index have to be observed. With release of new drawing, previous drawings lose their validity and will not be withdrawn.

Document no.: NLD0006.M4.001.0.4
Project-No. | Descr. | Serial-No. | Size | Rev.

Revs.	Date	Dest.	Chec.	Appr.	Revision Description
4	21 Nov 23	SGA			Fence line changed for some RWE wind turbines, minor correction in number of modules
3	07 Nov 23	SGA			Design adjustments based on landscaper recommendations
2	27 Oct 23	SGA			New RWE clearances used. Transformer station capacity updated,
1	12 Sep 23	SGA			Rev.X used with adding Feld 6 in Oldambt
Z	11 May 23	CSI	SGA		Avermieden Substation and BESS layout details are added in field 4
Y	10 Mar 23	AKA	PPA		Indusion of BESS area, change of maintenance roads in Field 4
X	16 Feb 23	DWU	DWU		Acess route for fire brigade, removal and modification of panel placement,implimentation 2P for edge alignment,
W	07 Feb 23	AKA	SGA		
V	11 Jan 23	SGA	DWU		Racks removed from field 4, PV boundaries adjusted for field 6, windmills clearances updated to consider cranes
U	23 Dec 22	ZDO	DWU		This version includes both parts of Oldambt and Groningen, Filed 6 was added again, Exclusion zones for windturbines were filled with solar racks on concrete blocks
T	17 Nov 22	ZDO	DWU		New Kbc file with Gascrete pipe
S	8 Oct 22	ZDO	DWU		Fence and Landscaping planinclusting waterways updates, Culvert crossing between field 2 was added
R	25 May 22	ZDO	DWU		Rackes were removed from the northern east corner in field 5, smaller racks were added to fill the gap

Oldambt
Midden Groningen



Project Management / Engineering Design:
ib vogt GmbH
Heimholtzstr. 2-9
10587 Berlin
Tel. +49 30 397440-0
www.ibvogt.com

Engineering Design:
ib vogt GmbH
Heimholtzstr. 2-9
10587 Berlin
Tel. +49 30 397440-0
www.ib-vogt.com

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Version:	Metric	European Proj.	
	Date	Page:	Drawing Scale:
Designed by	21. Juli. 2020	1	1:3000
Checked by		Of:	Size:
Approved by		1	A0 1189x841

Title:
Eekerweg
Midden Groningen
Module Array Layout

Planning Phase: AD_1189x841
Approval Design

Status: 21 Nov 23
Revision Index: 4

Document No.: NLD.0006.M4.001. 0 .4
Project-No. | Descr. | Serial-No. | Size | Rev.

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scale 1:3000
100 m 200 m 300 m 400 m 500 m