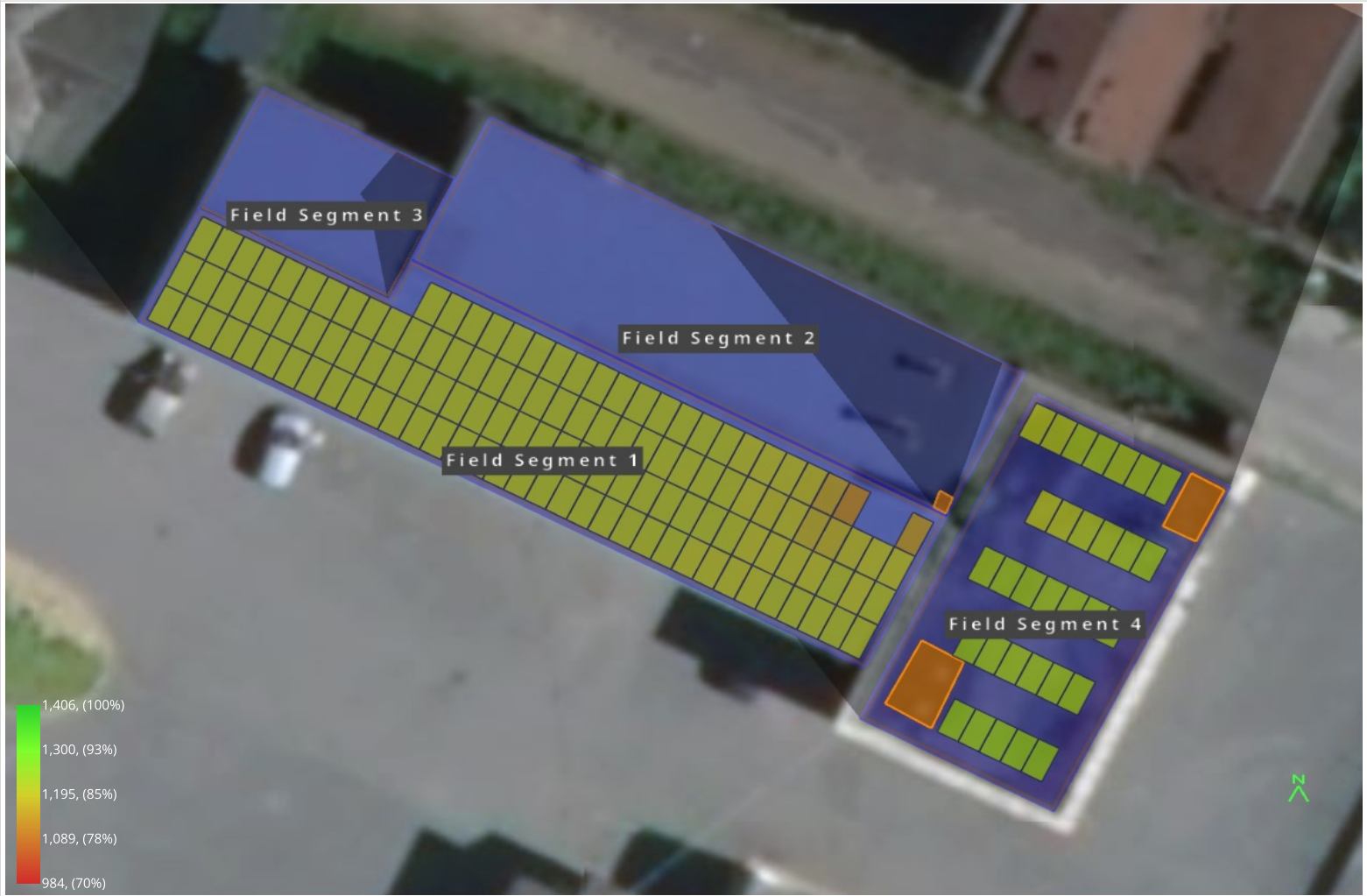


Partie 1 ABATTOIRS MUNICIPAUX, RUE DE L'ABATTOIR, 08000 Charleville-Mézières

Shading Heatmap



Shading by Field Segment

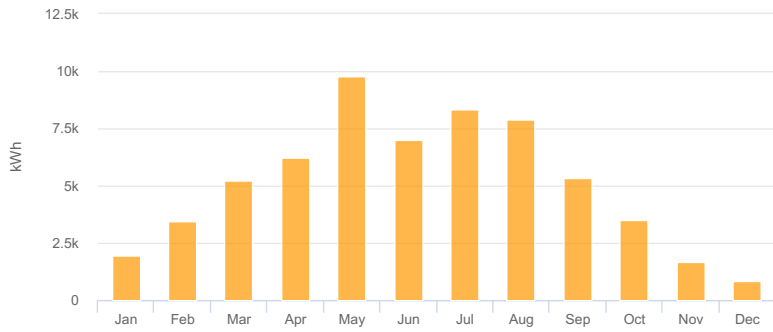
Description	Tilt	Azimuth	Modules	Nameplate	Shaded Irradiance	AC Energy	TOF ²	Solar Access	Avg TSRF ²
Field Segment 1	5.0°	206.9°	124	47.7 kWp	1,199.1 kWh/m ²	48.2 MWh ¹	85.5%	99.7%	85.3%
Field Segment 4	15.0°	207.0°	31	11.9 kWp	1,230.0 kWh/m ²	12.9 MWh ¹	88.7%	98.7%	87.5%
Totals, weighted by kWp			155	59.7 kWp	1,205.3 kWh/m ²	61.1 MWh	86.2%	99.5%	85.7%

¹ approximate, varies based on inverter performance
² based on location Optimal POA Irradiance of 1,405.8 kWh/m² at 39.2° tilt and 175.0° azimuth

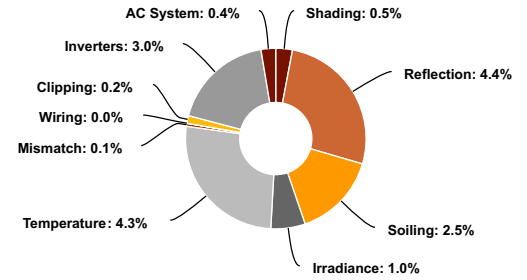
Solar Access by Month

Description	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
Field Segment 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Field Segment 4	98%	99%	99%	99%	99%	99%	99%	99%	99%	98%	98%	97%
Solar Access, weighted by kWp	99.6%	99.7%	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%	99.5%	99.4%
AC Power (kWh)	1,942.9	3,449.2	5,240.3	6,195.1	9,787.7	6,996.0	8,360.8	7,886.7	5,322.6	3,485.1	1,667.4	808.3

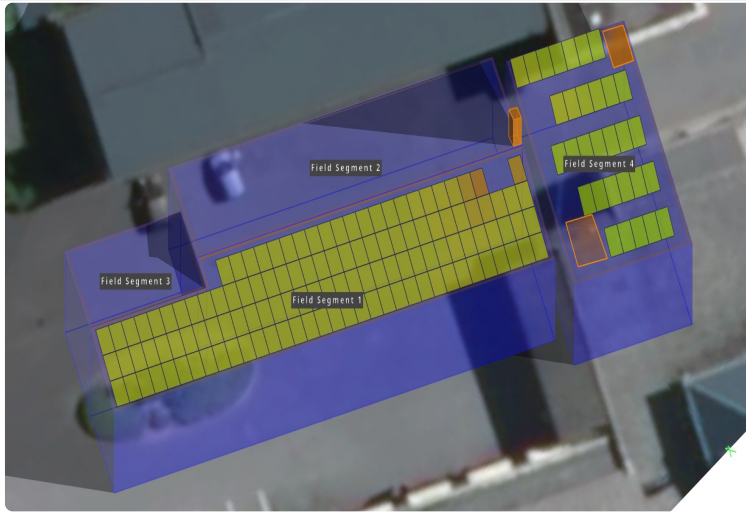
Monthly Production



Sources of System Loss



Southwestern Angle

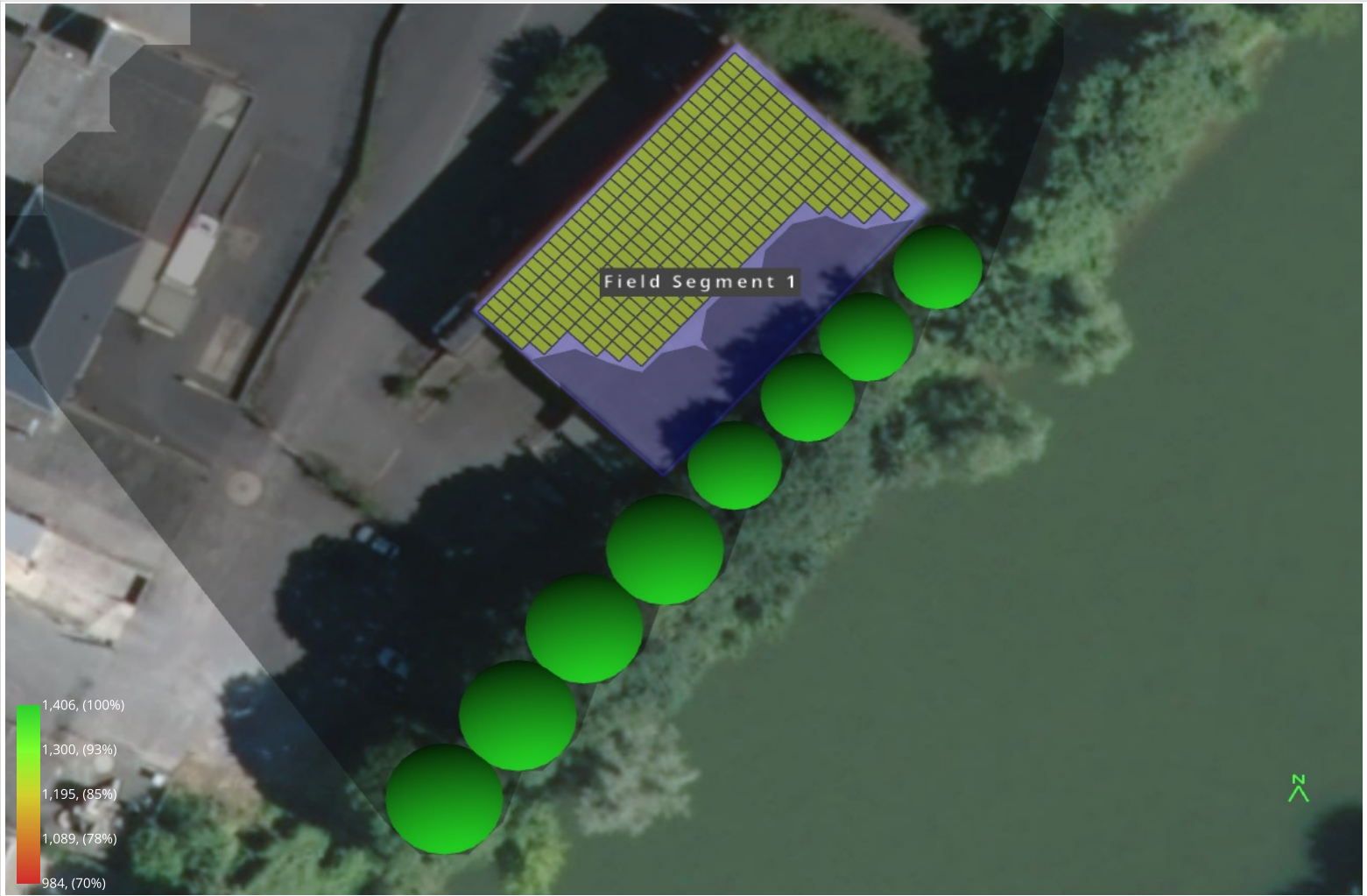


Southeastern Angle



partie 2 ABATTOIRS MUNICIPAUX, RUE DE L'ABATTOIR, 08000 Charleville-Mézières

Shading Heatmap



Shading by Field Segment

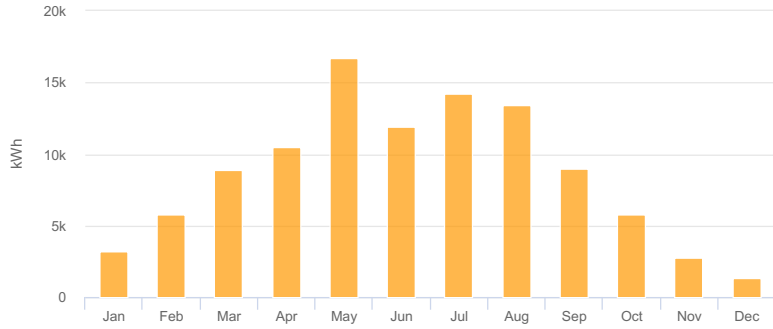
Description	Tilt	Azimuth	Modules	Nameplate	Shaded Irradiance	AC Energy	TOF ²	Solar Access	Avg TSRF ²
Field Segment 1	5.0°	132.9°	261	100.5 kWp	1,222.8kWh/m ²	103.5 MWh ¹	87.1%	99.9%	87.0%
Totals, weighted by kWp			261	100.5 kWp	1,222.8kWh/m ²	103.5 MWh	87.1%	99.9%	87.0%

¹ approximate, varies based on inverter performance
² based on location Optimal POA Irradiance of 1,405.8kWh/m² at 39.2° tilt and 175.0° azimuth

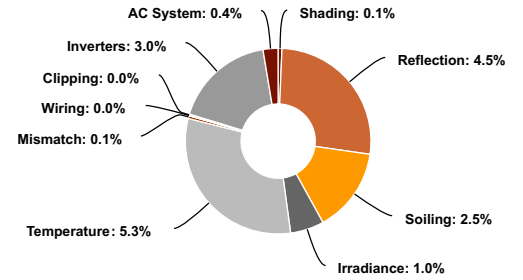
Solar Access by Month

Description	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
Field Segment 1	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%
Solar Access, weighted by kWp	99.4%	99.8%	99.9%	99.9%	100.0%	99.9%	99.9%	100.0%	99.9%	99.8%	99.6%	99.5%
AC Power (kWh)	3,194.4	5,752.7	8,851.6	10,528.5	16,723.3	11,874.1	14,205.5	13,413.1	8,968.1	5,812.4	2,775.3	1,351.1

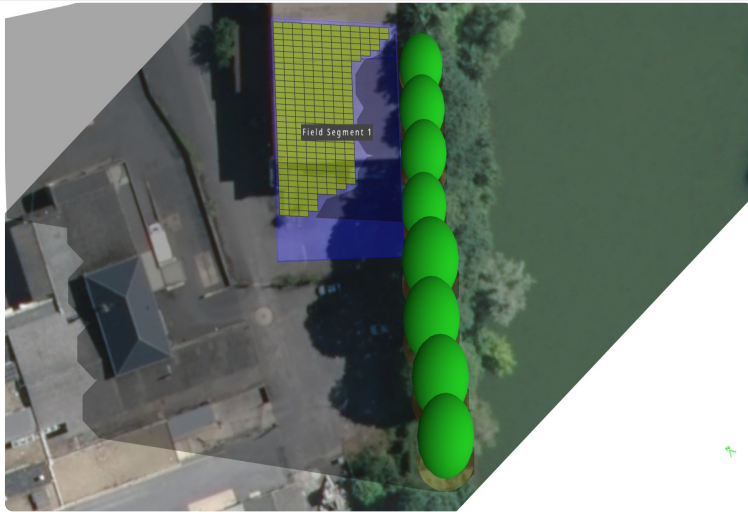
Monthly Production



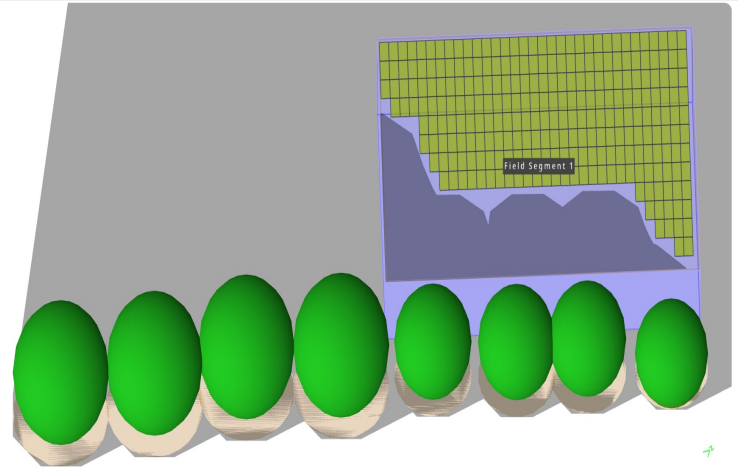
Sources of System Loss



Southwestern Angle



Southeastern Angle



partie 3 ABATTOIRS MUNICIPAUX, RUE DE L'ABATTOIR, 08000 Charleville-Mézières

Shading Heatmap



Shading by Field Segment

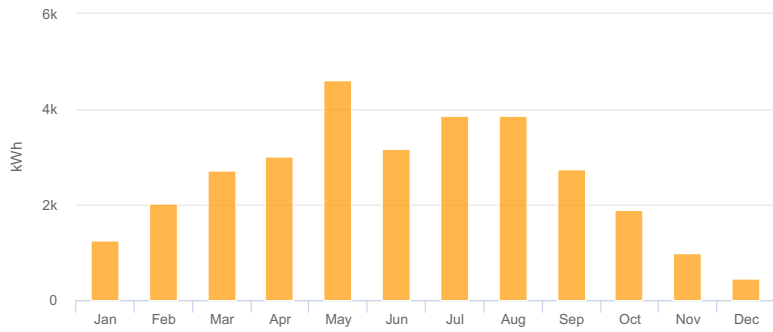
Description	Tilt	Azimuth	Modules	Nameplate	Shaded Irradiance	AC Energy	TOF ²	Solar Access	Avg TSRF ²
Field Segment 1	30.0°	116.1°	36	13.9 kWp	1,377.2kWh/m ²	15.9 MWh ¹	98.0%	100.0%	98.0%
Field Segment 2	30.0°	115.6°	18	6.93 kWp	1,341.2kWh/m ²	7.82 MWh ¹	97.8%	97.5%	95.4%
Field Segment 7	30.0°	206.0°	17	6.55 kWp	1,250.1kWh/m ²	6.87 MWh ¹	89.7%	99.1%	88.9%
Totals, weighted by kWp			71	27.3 kWp	1,337.6kWh/m²	30.6 MWh	96.0%	99.1%	95.1%

¹ approximate, varies based on inverter performance
² based on location Optimal POA Irradiance of 1,405.8kWh/m² at 39.2° tilt and 175.0° azimuth

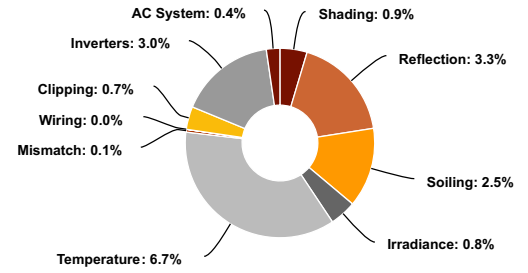
Solar Access by Month

Description	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
Field Segment 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Field Segment 2	94%	98%	98%	97%	98%	97%	98%	98%	97%	97%	95%	92%
Field Segment 7	97%	99%	100%	100%	99%	99%	99%	99%	99%	99%	98%	98%
Solar Access, weighted by kWp	97.8%	99.2%	99.5%	99.2%	99.4%	99.1%	99.2%	99.3%	99.1%	99.2%	98.2%	97.5%
AC Power (kWh)	1,248.7	2,015.6	2,717.4	3,001.7	4,617.8	3,172.1	3,878.5	3,866.8	2,739.0	1,894.2	974.6	441.7

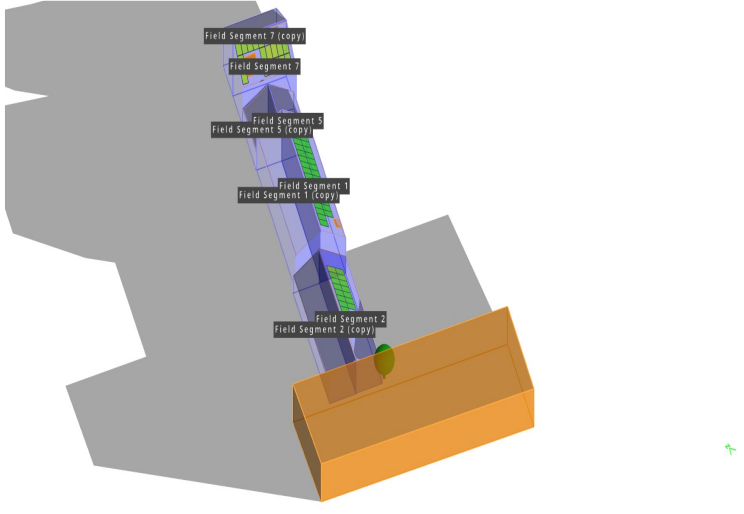
Monthly Production



Sources of System Loss



Southwestern Angle



Southeastern Angle



partie 4 ABATTOIRS MUNICIPAUX, RUE DE L'ABATTOIR, 08000 Charleville-Mézières

Shading Heatmap



Shading by Field Segment

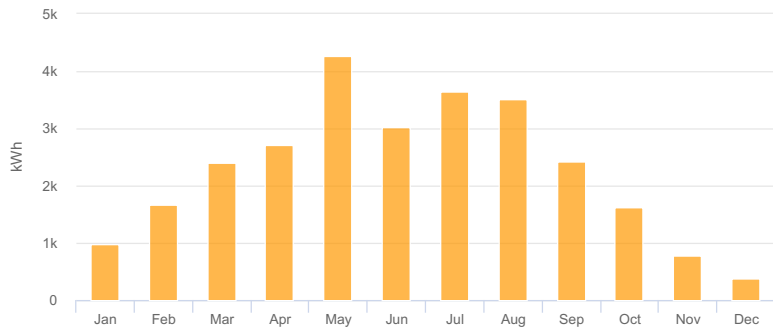
Description	Tilt	Azimuth	Modules	Nameplate	Shaded Irradiance	AC Energy	TOF ²	Solar Access	Avg TSRF ²
Field Segment 1	15.0°	205.9°	65	25.0 kWp	1,244.4kWh/m ²	27.4 MWh ¹	89.3%	99.1%	88.6%
Totals, weighted by kWp			65	25.0 kWp	1,244.4kWh/m ²	27.4 MWh	89.3%	99.1%	88.6%

¹ approximate, varies based on inverter performance
² based on location Optimal POA Irradiance of 1,405.3kWh/m² at 40.9° tilt and 175.0° azimuth

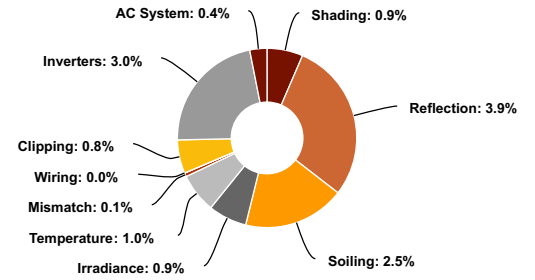
Solar Access by Month

Description	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
Field Segment 1	99%	99%	99%	99%	99%	99%	99%	99%	99%	99%	98%	98%
Solar Access, weighted by kWp	98.7%	99.3%	99.3%	99.0%	99.3%	99.0%	99.1%	99.3%	99.2%	99.1%	98.3%	97.8%
AC Power (kWh)	971.4	1,659.2	2,392.2	2,717.0	4,268.2	3,012.2	3,637.2	3,520.5	2,422.8	1,619.6	787.8	367.0

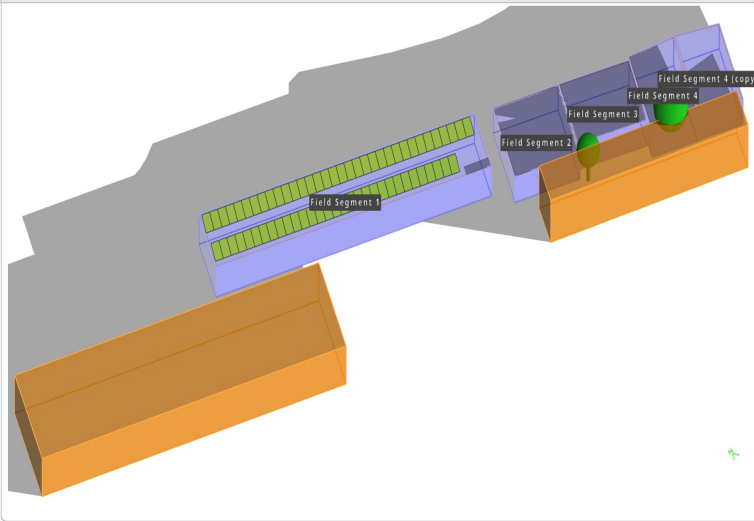
Monthly Production



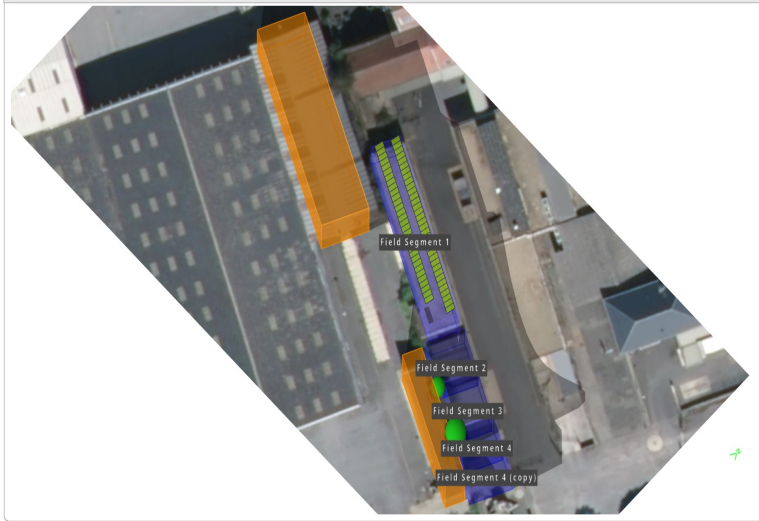
Sources of System Loss



Southwestern Angle

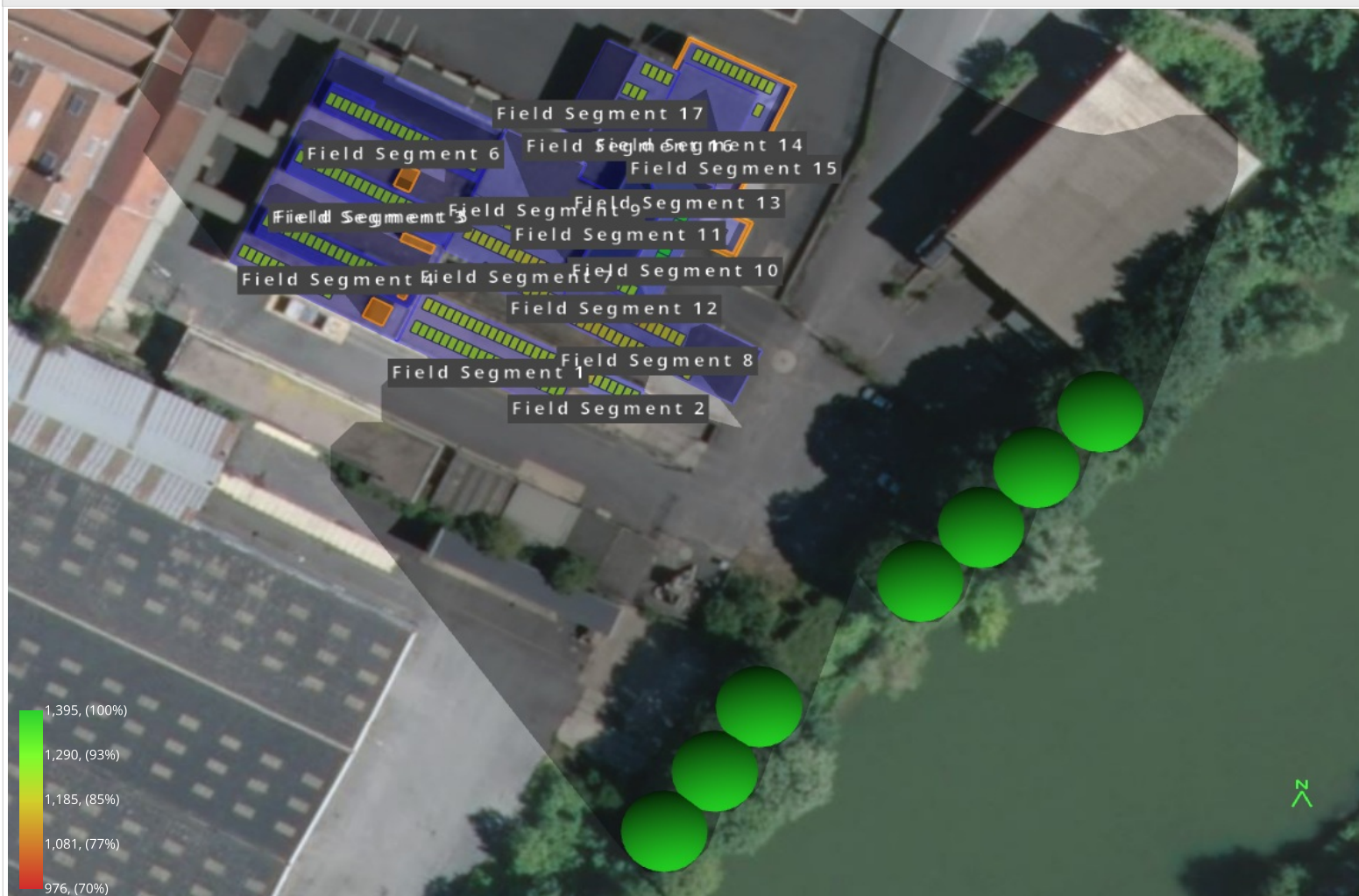


Southeastern Angle



Partie 5 ABATTOIRS MUNICIPAUX, RUE DE L'ABATTOIR, 08000 Charleville-Mézières

Shading Heatmap



Shading by Field Segment

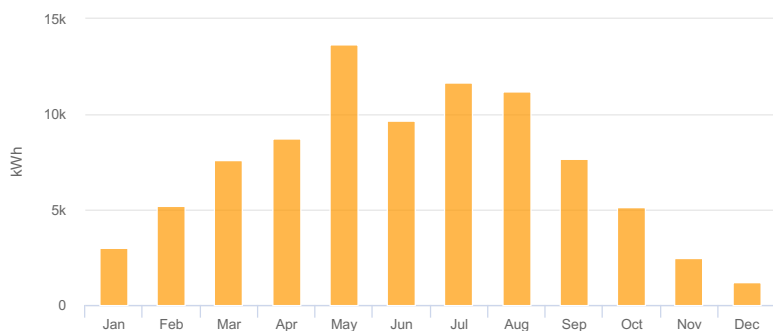
Description	Tilt	Azimuth	Modules	Nameplate	Shaded Irradiance	AC Energy	TOF ²	Solar Access	Avg TSRF ²
Field Segment 1	15.0°	205.4°	42	16.2 kWp	1,241.0kWh/m ²	17.7 MWh ¹	89.9%	99.0%	89.0%
Field Segment 2	15.0°	205.4°	7	2.70 kWp	1,229.4kWh/m ²	2.93 MWh ¹	89.9%	98.0%	88.1%
Field Segment 3	15.0°	207.0°	13	5.01 kWp	1,249.6kWh/m ²	5.48 MWh ¹	89.6%	99.9%	89.6%
Field Segment 4	15.0°	206.7°	16	6.16 kWp	1,249.4kWh/m ²	6.75 MWh ¹	89.7%	99.9%	89.6%
Field Segment 5	15.0°	206.5°	21	8.09 kWp	1,251.0kWh/m ²	8.86 MWh ¹	89.7%	100.0%	89.7%
Field Segment 6	15.0°	206.2°	21	8.09 kWp	1,250.5kWh/m ²	8.86 MWh ¹	89.8%	99.9%	89.7%
Field Segment 7	5.0°	206.3°	31	11.9 kWp	1,192.2kWh/m ²	12.0 MWh ¹	86.5%	98.8%	85.5%
Field Segment 8	5.0°	207.3°	25	9.63 kWp	1,183.9kWh/m ²	9.68 MWh ¹	86.5%	98.2%	84.9%
Field Segment 10	30.0°	115.6°	11	4.24 kWp	1,373.9kWh/m ²	4.86 MWh ¹	99.1%	99.4%	98.5%
Field Segment 12	30.0°	207.2°	4	1.54 kWp	1,255.1kWh/m ²	1.62 MWh ¹	90.5%	99.4%	90.0%
Field Segment 15	15.0°	205.6°	13	5.01 kWp	1,223.1kWh/m ²	5.42 MWh ¹	89.9%	97.6%	87.7%
Field Segment 16	15.0°	205.6°	7	2.70 kWp	1,236.0kWh/m ²	2.94 MWh ¹	89.9%	98.6%	88.6%
Totals, weighted by kWp			211	81.2 kWp	1,235.7kWh/m ²	87.1 MWh	89.4%	99.1%	88.6%

¹ approximate, varies based on inverter performance
² based on location Optimal POA Irradiance of 1,394.7kWh/m² at 30.9° tilt and 175.0° azimuth

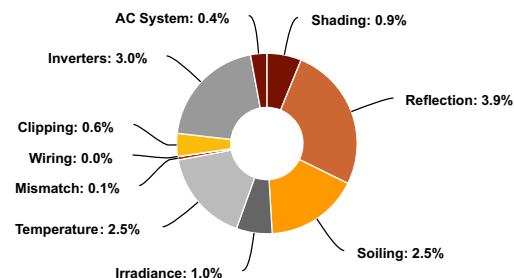
Solar Access by Month

Description	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
Field Segment 1	98%	98%	99%	99%	99%	99%	99%	99%	99%	99%	97%	98%
Field Segment 2	99%	97%	98%	98%	98%	98%	98%	98%	98%	98%	95%	98%
Field Segment 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	99%	100%
Field Segment 4	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Field Segment 5	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Field Segment 6	100%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Field Segment 7	99%	99%	98%	99%	99%	99%	99%	99%	98%	99%	99%	99%
Field Segment 8	94%	97%	99%	99%	98%	98%	98%	99%	99%	98%	96%	96%
Field Segment 10	100%	100%	100%	99%	100%	99%	99%	100%	100%	98%	99%	99%
Field Segment 12	100%	100%	100%	99%	100%	99%	99%	99%	99%	99%	99%	99%
Field Segment 15	96%	98%	98%	97%	98%	97%	98%	98%	98%	97%	95%	94%
Field Segment 16	98%	99%	99%	98%	99%	98%	99%	99%	99%	98%	96%	97%
Solar Access, weighted by kWp	98.5%	98.8%	99.1%	99.1%	99.3%	99.1%	99.2%	99.3%	99.2%	98.9%	98.0%	98.3%
AC Power (kW/h)	3,019.6	5,185.3	7,571.4	8,700.4	13,666.5	9,673.6	11,648.4	11,202.3	7,675.7	5,111.3	2,478.0	1,172.0

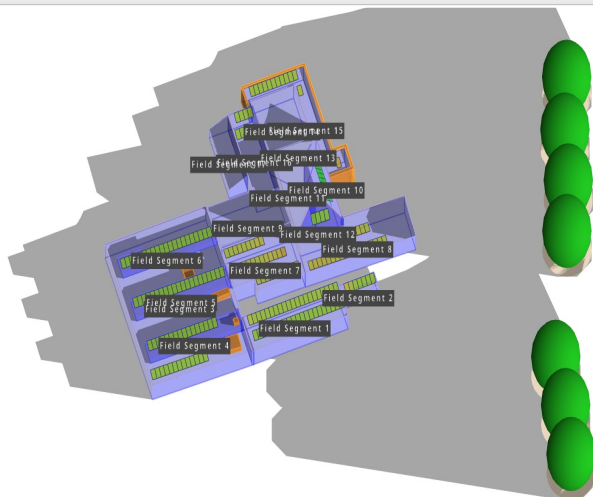
Monthly Production



Sources of System Loss



Southwestern Angle



Southeastern Angle

