

## Small Talk

2021. 12.

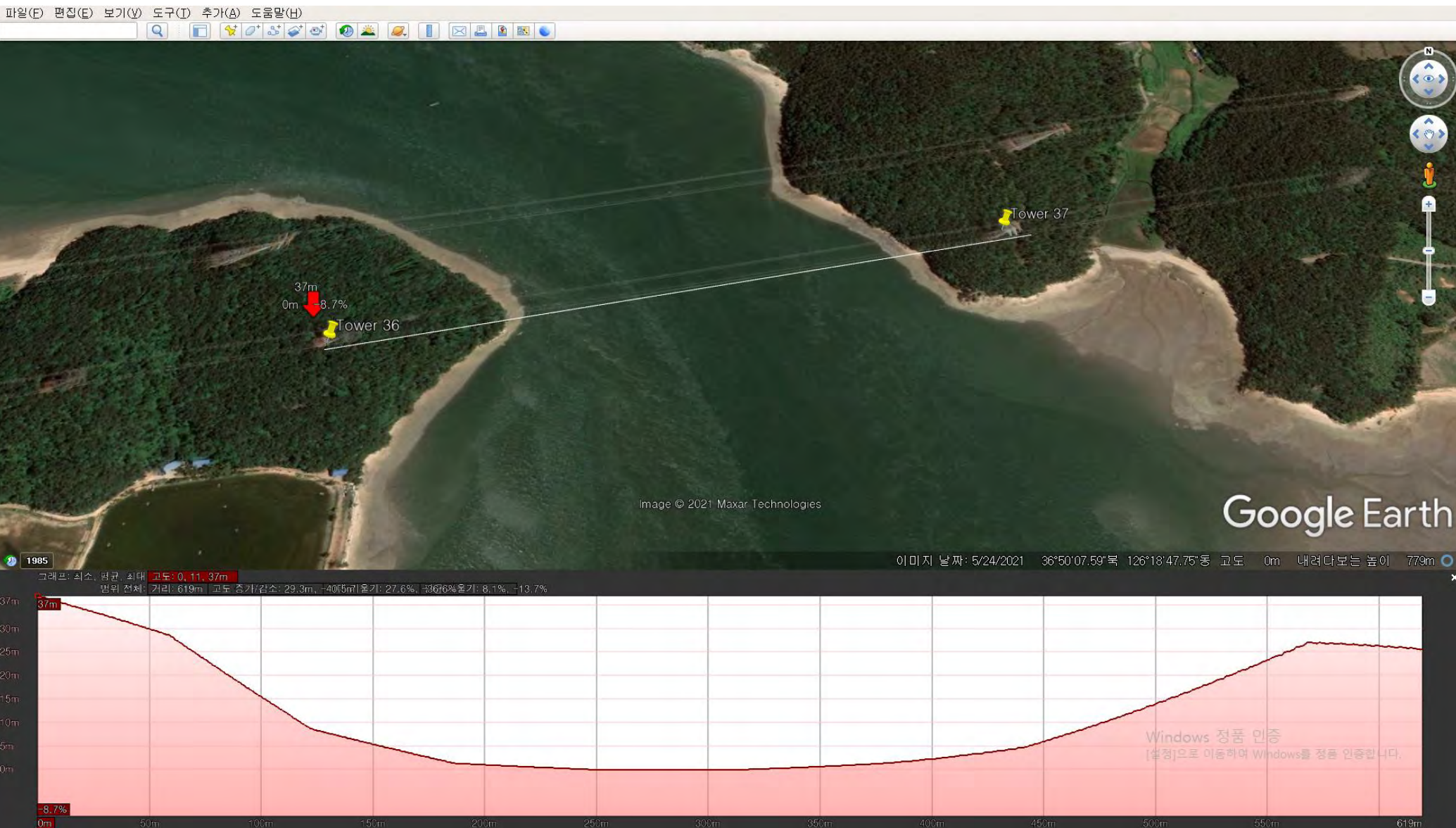
**Jae-Kyung Lee**

KEPCO Research Institute  
Korea Electric Power Corporation





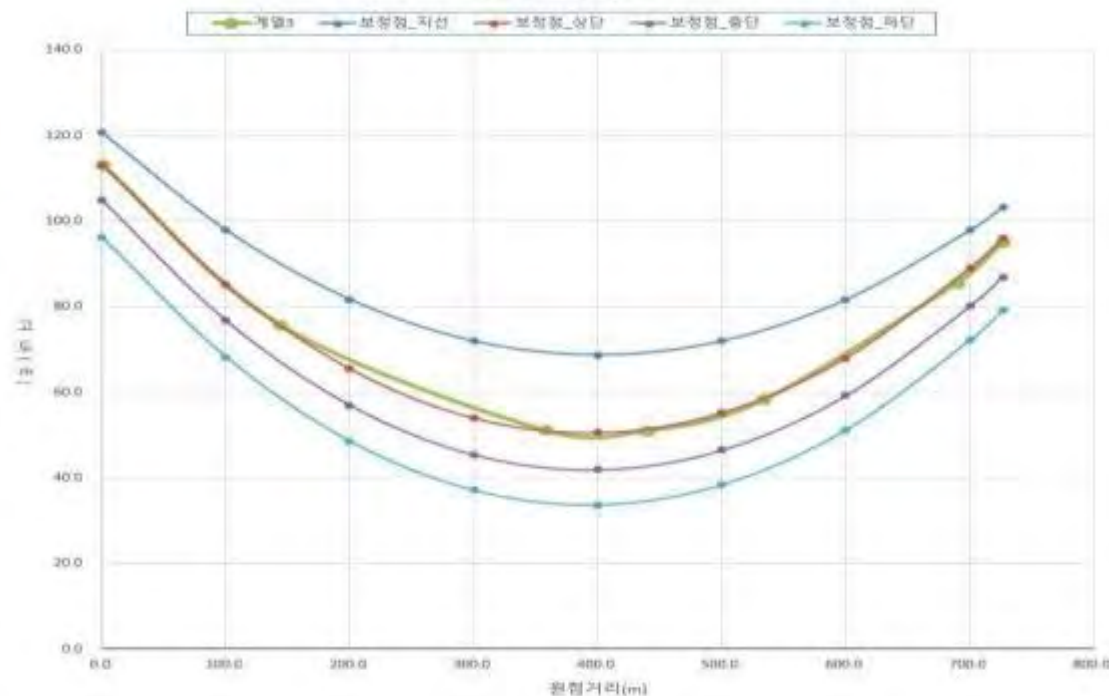
# Drone Path Planning



# Drone Path Planning

초기화	철탑 정보	경로 계산	측정점	상단	경로점간격(m)	100.0
별도기입	철탑 N - 1	철탑 N	순번	위도	경도	높이 (m)
철탑번호	37	36	1			113.1
위도	36.839550	36.838117	2	36.840089	126.320244	75.8
경도	126.322049	126.314078	3	36.839877	126.317839	51.2
경간거리(m)	726.54		4	36.839732	126.316938	51.1
선로각도(도)	-102.66		5	36.839685	126.315857	58.4
지선 높이(m)	120.7	102.9	6	36.839534	126.314105	85.6
상단 높이(m)	113.1	95.2	7			95.2
중단 높이(m)	104.8	86.3				
하단 높이(m)	96.2	78.4				
이착륙지(우) 위도	36.841321					
이착륙지(우) 경도	126.319237					
이착륙지(좌) 위도	36.841321					
이착륙지(좌) 경도	126.319237					
별도기입이격거리(m)	30.0					

고도 그래프









# Inspection Result



# Inspection Result





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# Inspection Result





# Inspection Result



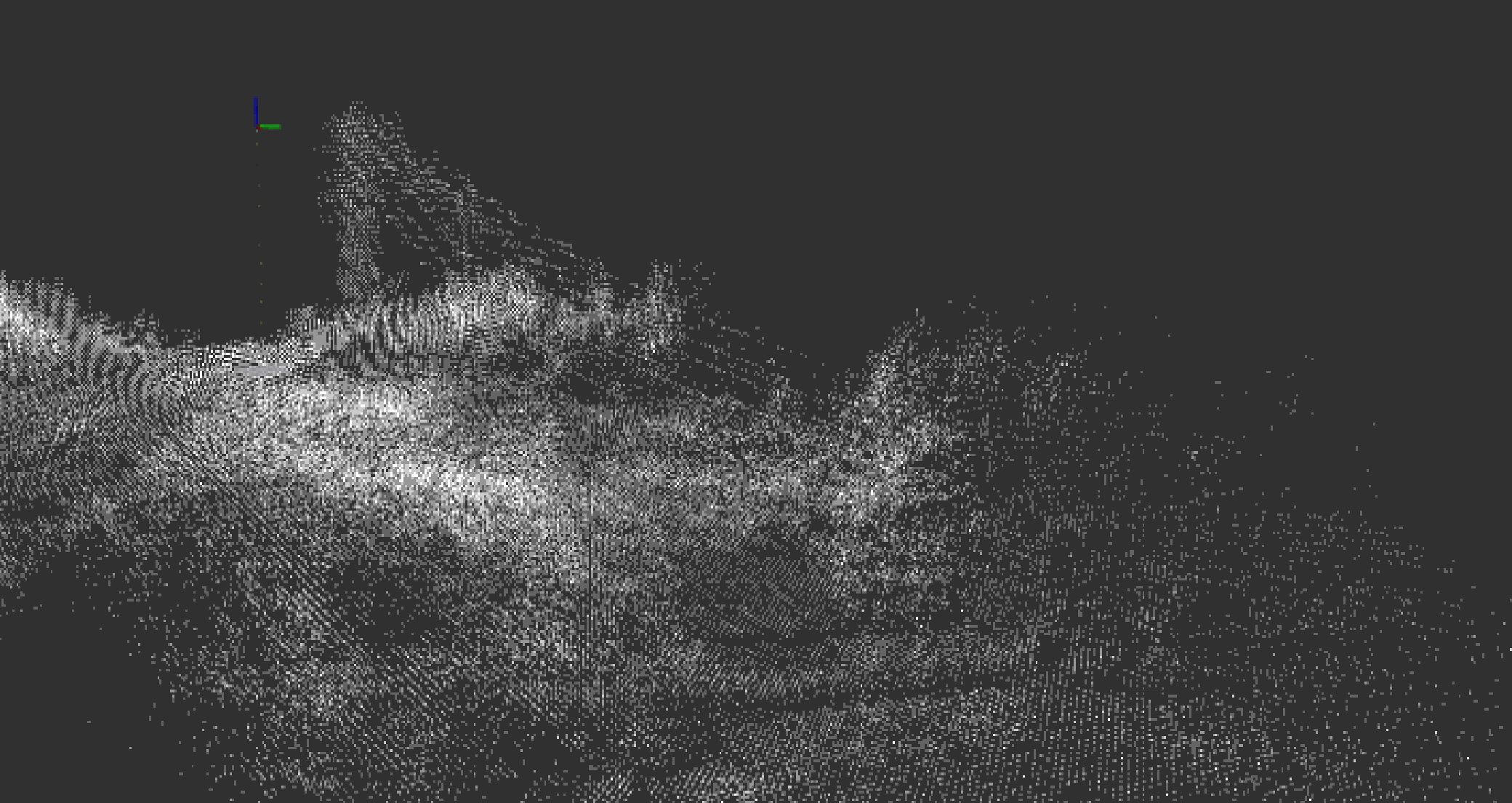




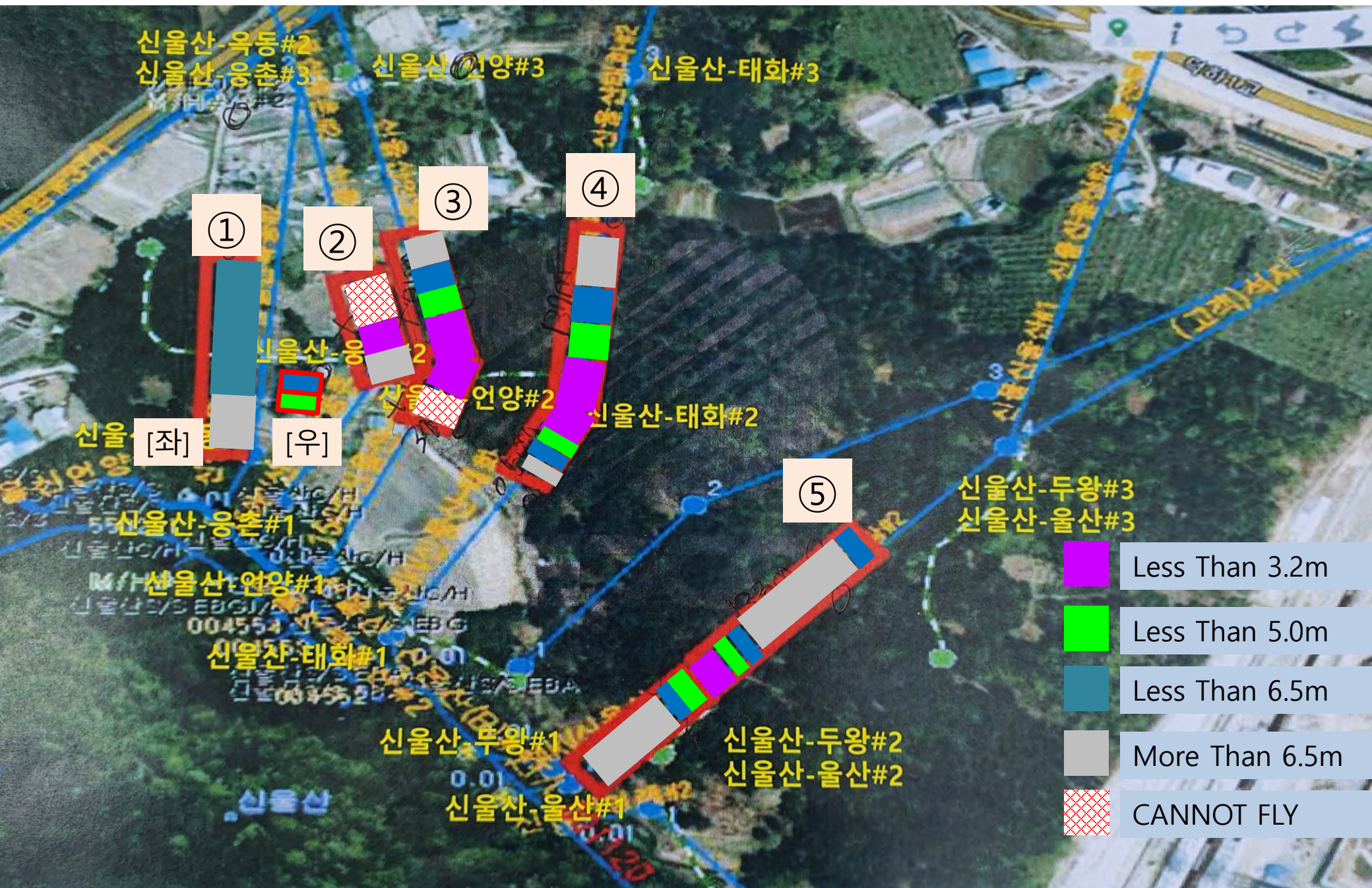
# Vegetation Encroachments(Substation)



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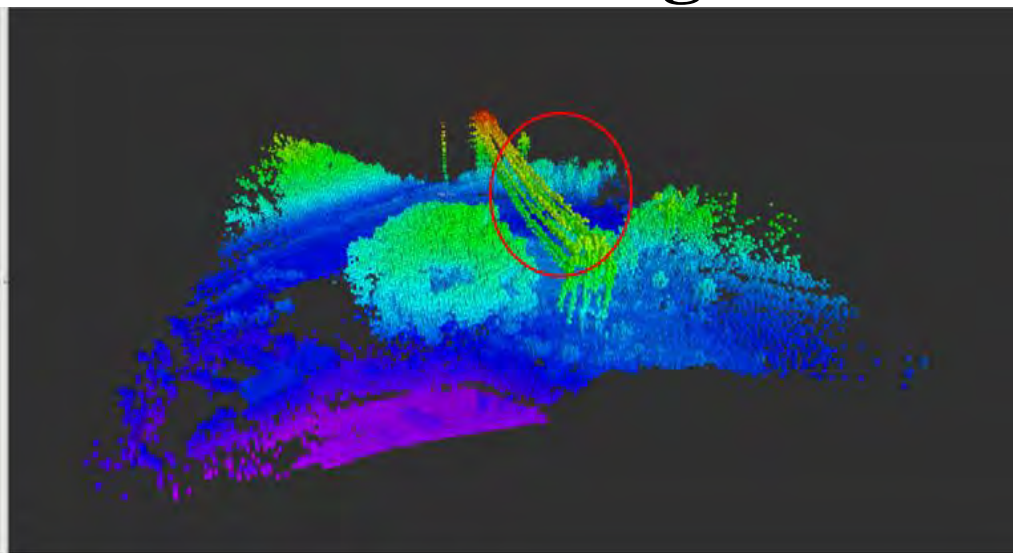


# Vegetation Encroachments(S/S)



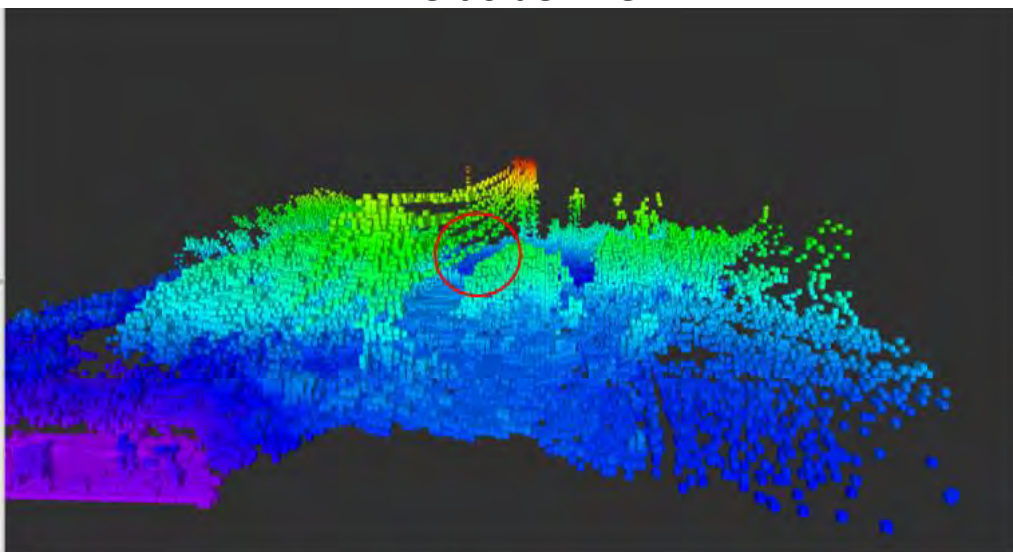


# Vegetation Encroachment



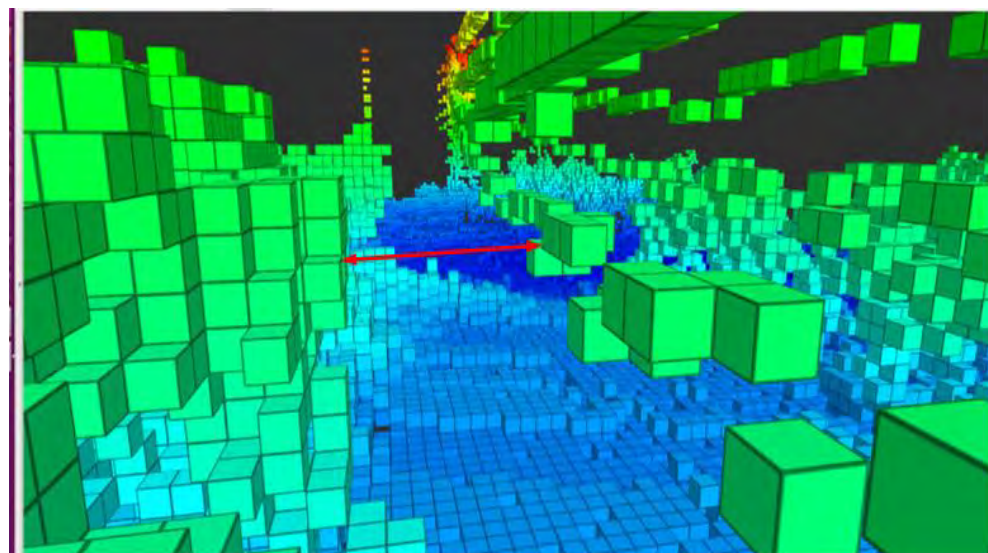
Time: 1620802116.58 ROS Elapsed: 599.81 Wall Time: 1620913489.23 Wall Elapsed: 741.10  
 Reset: Left-Click: Rotate Middle-Click: Move X/Y Right-Click/Mouse Wheel: Zoom Shift: More options

**Left Side Line**



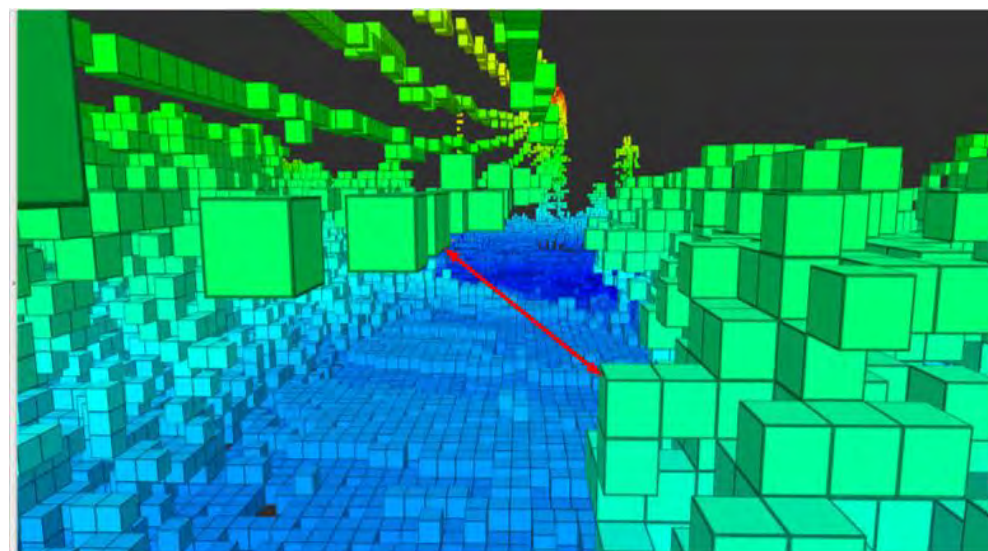
Time: 1620802116.58 ROS Elapsed: 599.81 Wall Time: 1620913970.53 Wall Elapsed: 1023.12  
 Reset: Left-Click: Rotate Middle-Click: Move X/Y Right-Click/Mouse Wheel: Zoom Shift: More options

**Right Side**



Time: 1620802116.58 ROS Elapsed: 599.81 Wall Time: 1620913513.04 Wall Elapsed: 979.07  
 Reset: [Length: 5.99441m] Click on two points to measure their distance. Right-click to reset.

**Distance : 6.3m**






Time: 1620802116.58 ROS Elapsed: 599.81 Wall Time: 1620914000.00 Wall Elapsed: 1023.12  
 Reset: [Length: 3.67934m] Click on two points to measure their distance. Right-click to reset.

**Distance : 4.9m**



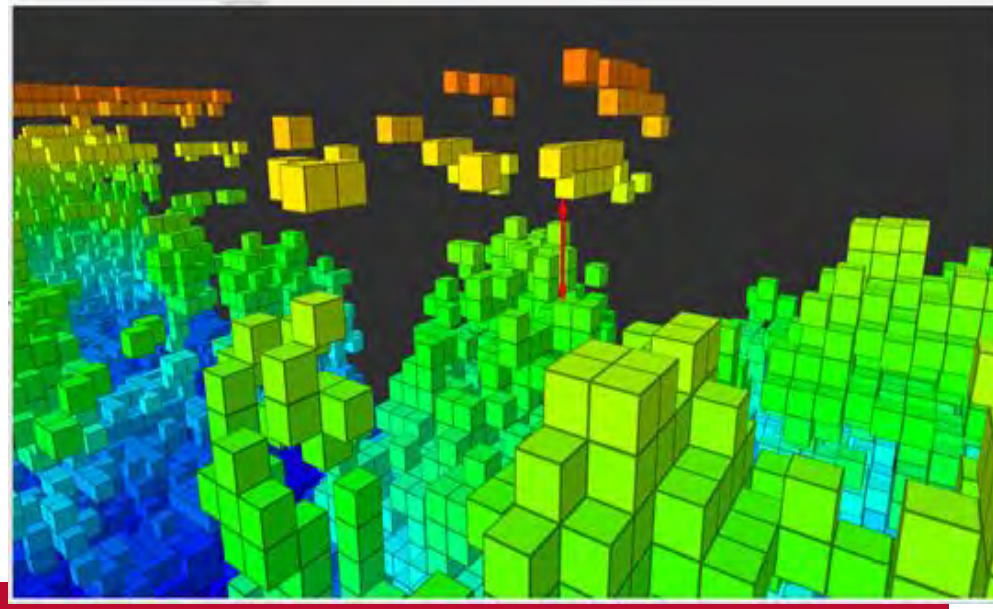
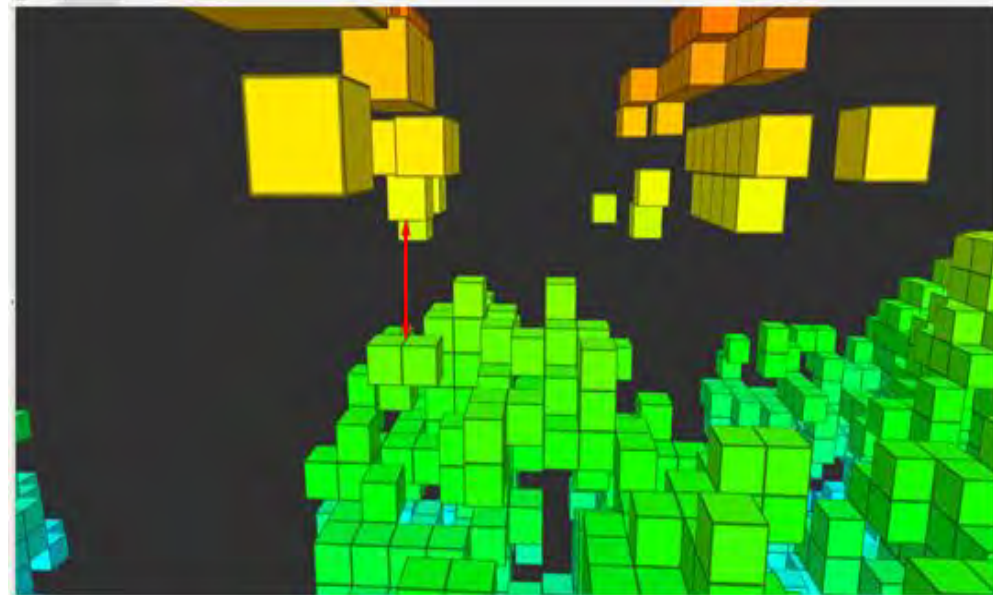
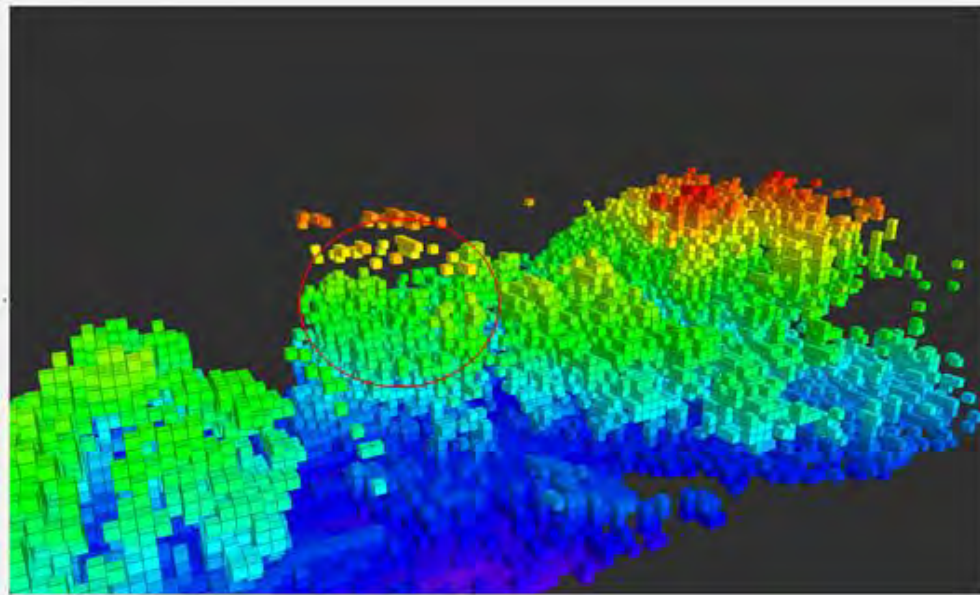
# Vegetation Encroachment

	Less Than 3.2m
	More Than 6.5m
	CANNOT FLY



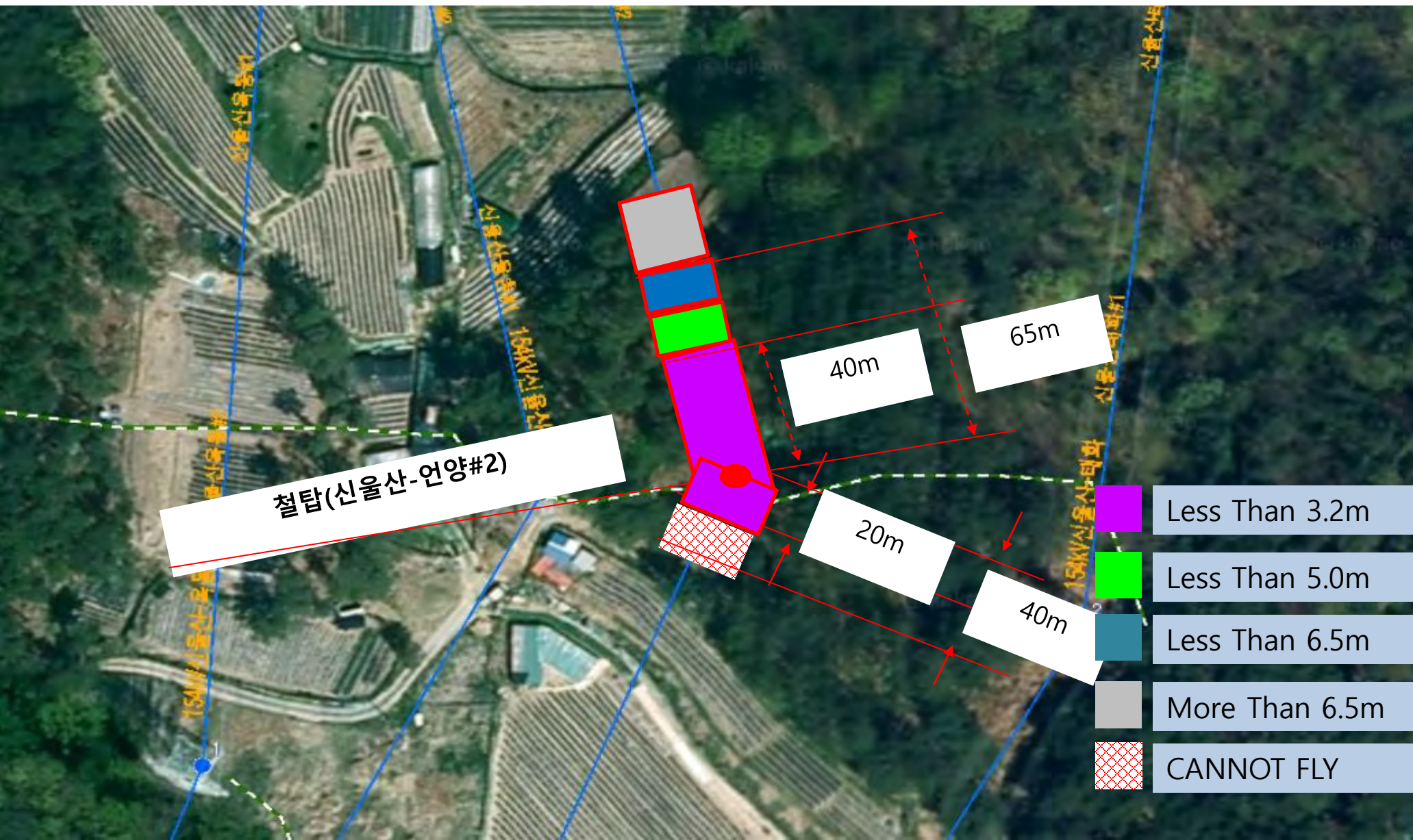


# Vegetation Encroachment



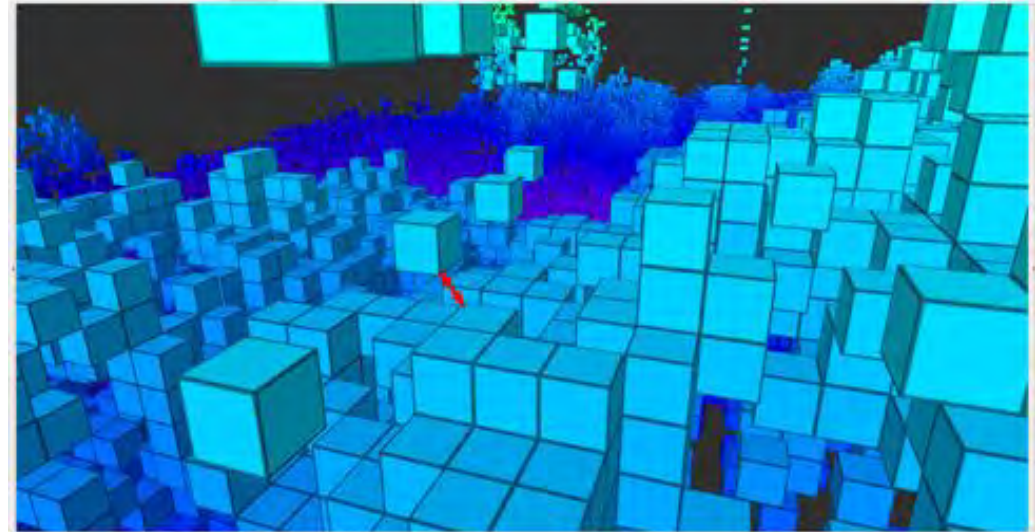
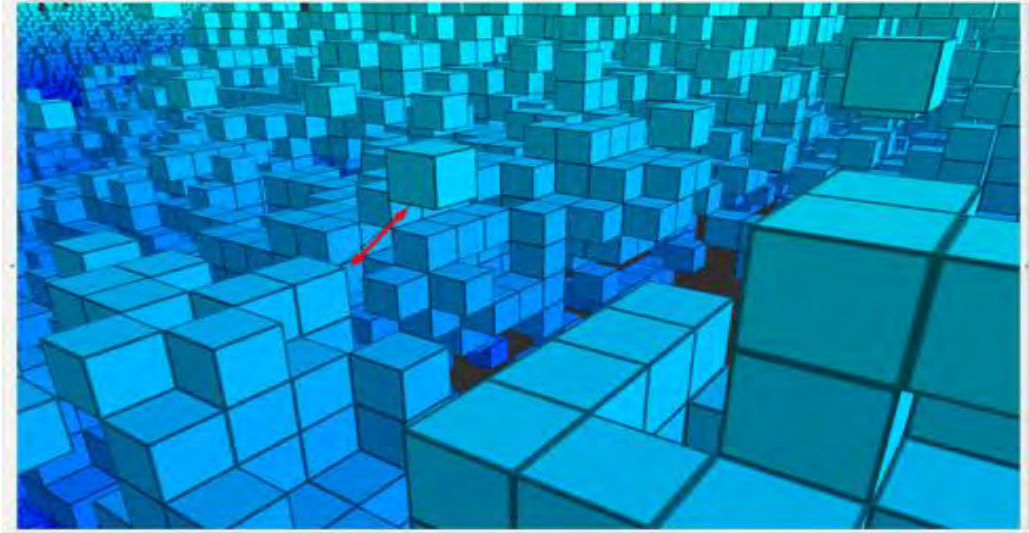
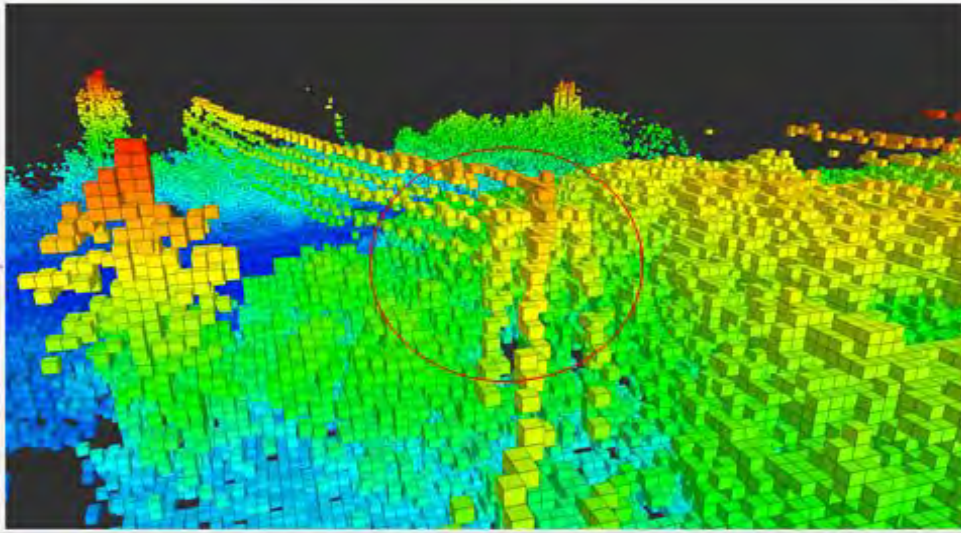


# Vegetation Encroachment





# Vegetation Encroachment

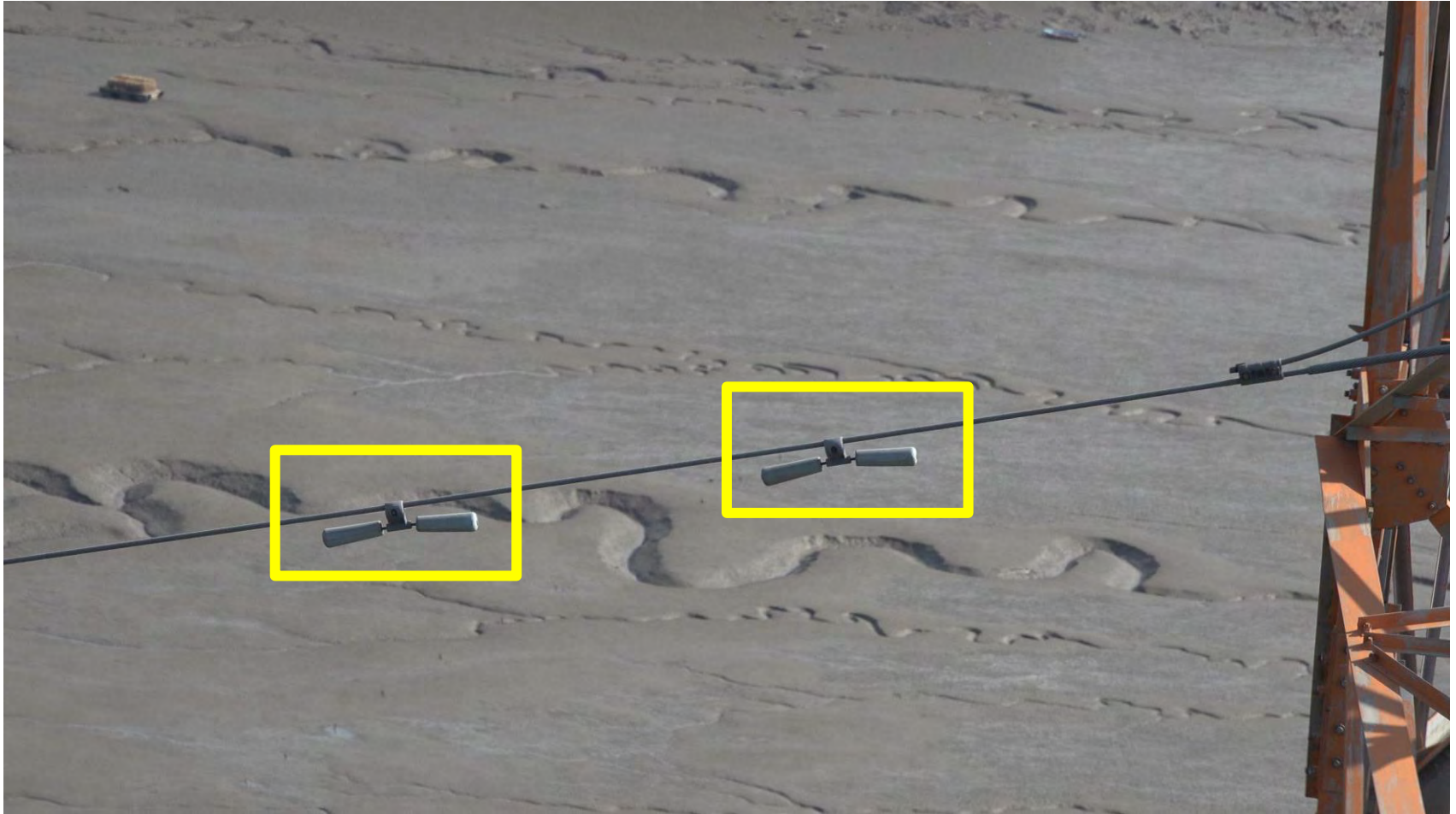


# SB Damper



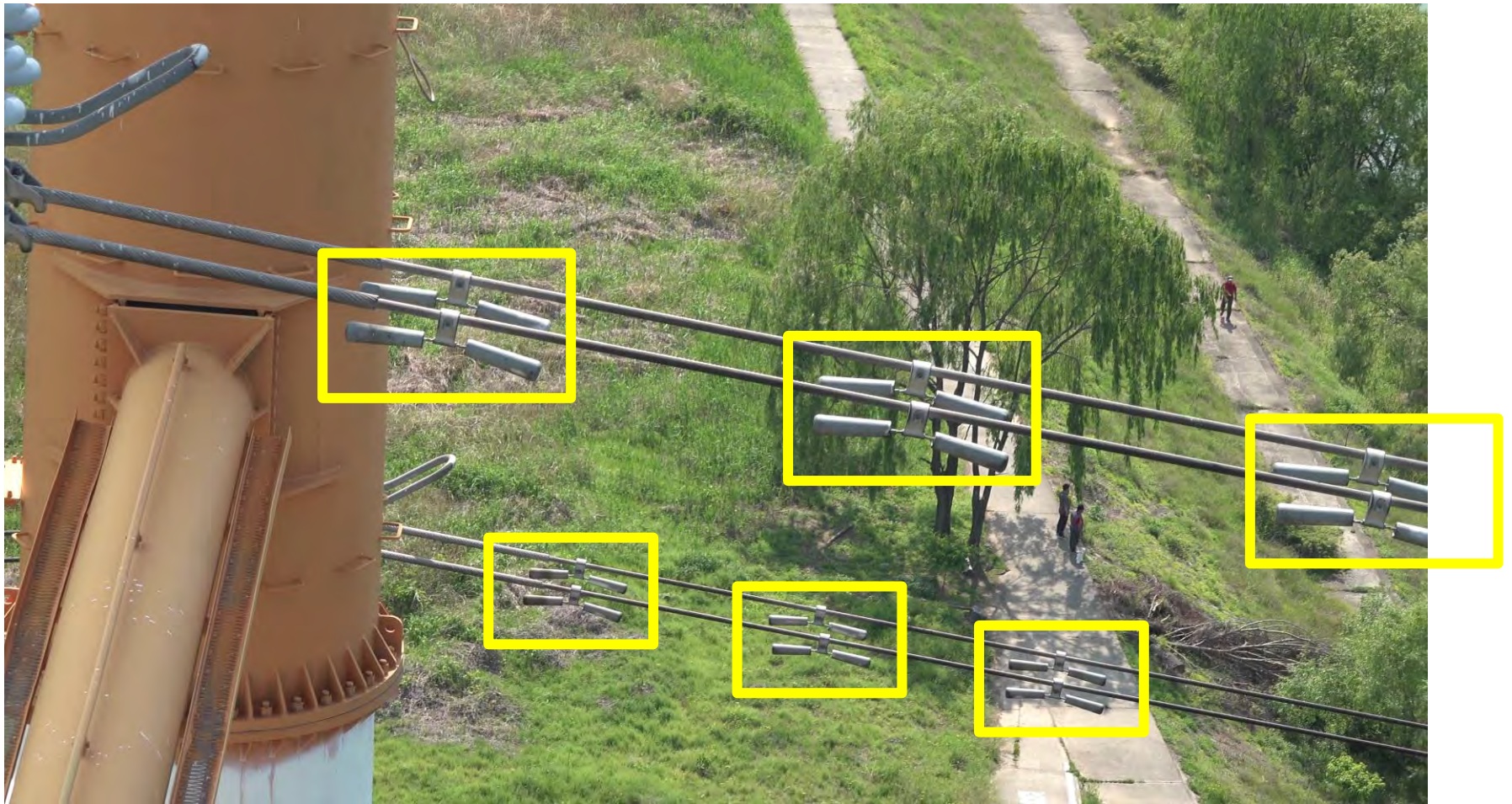












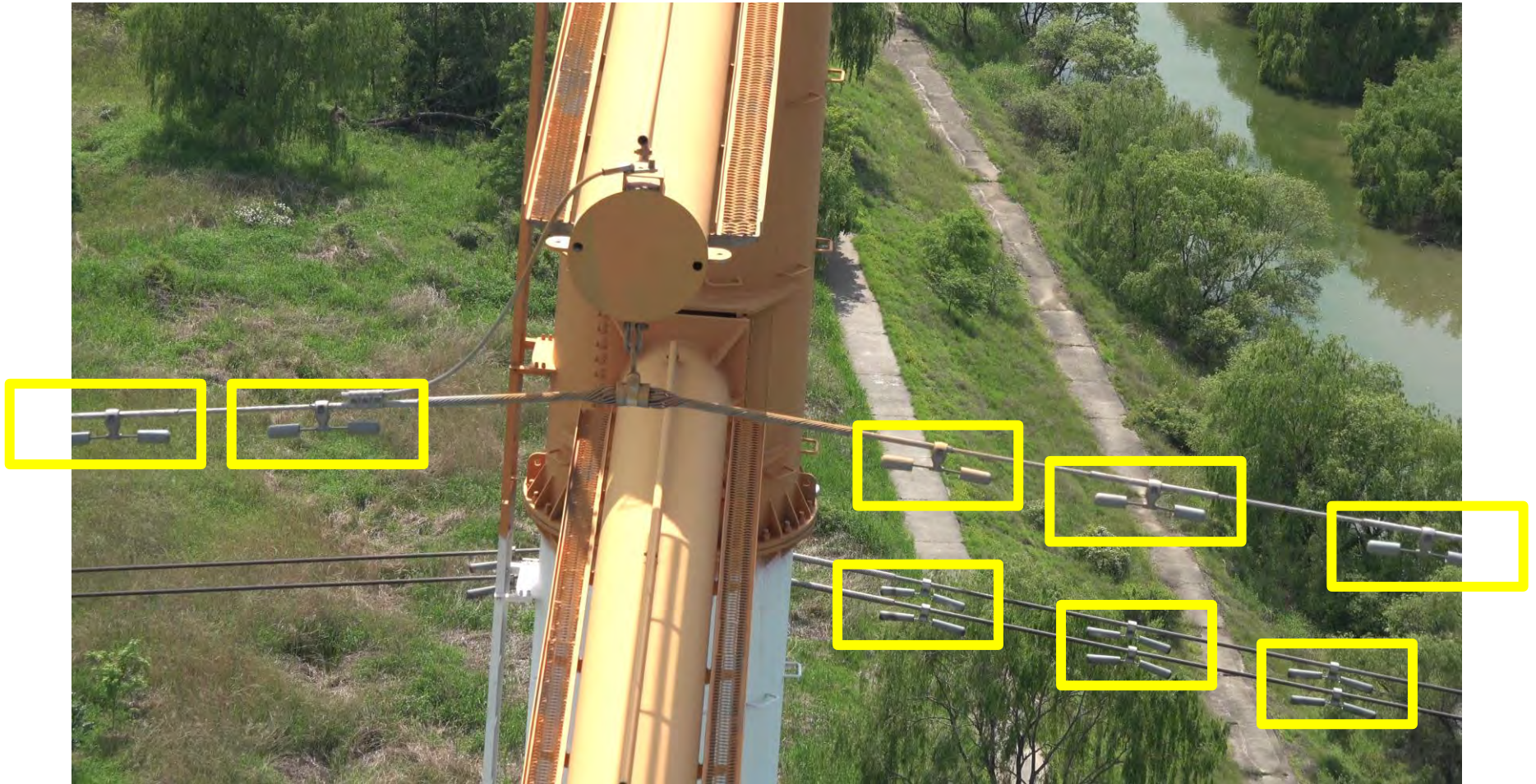




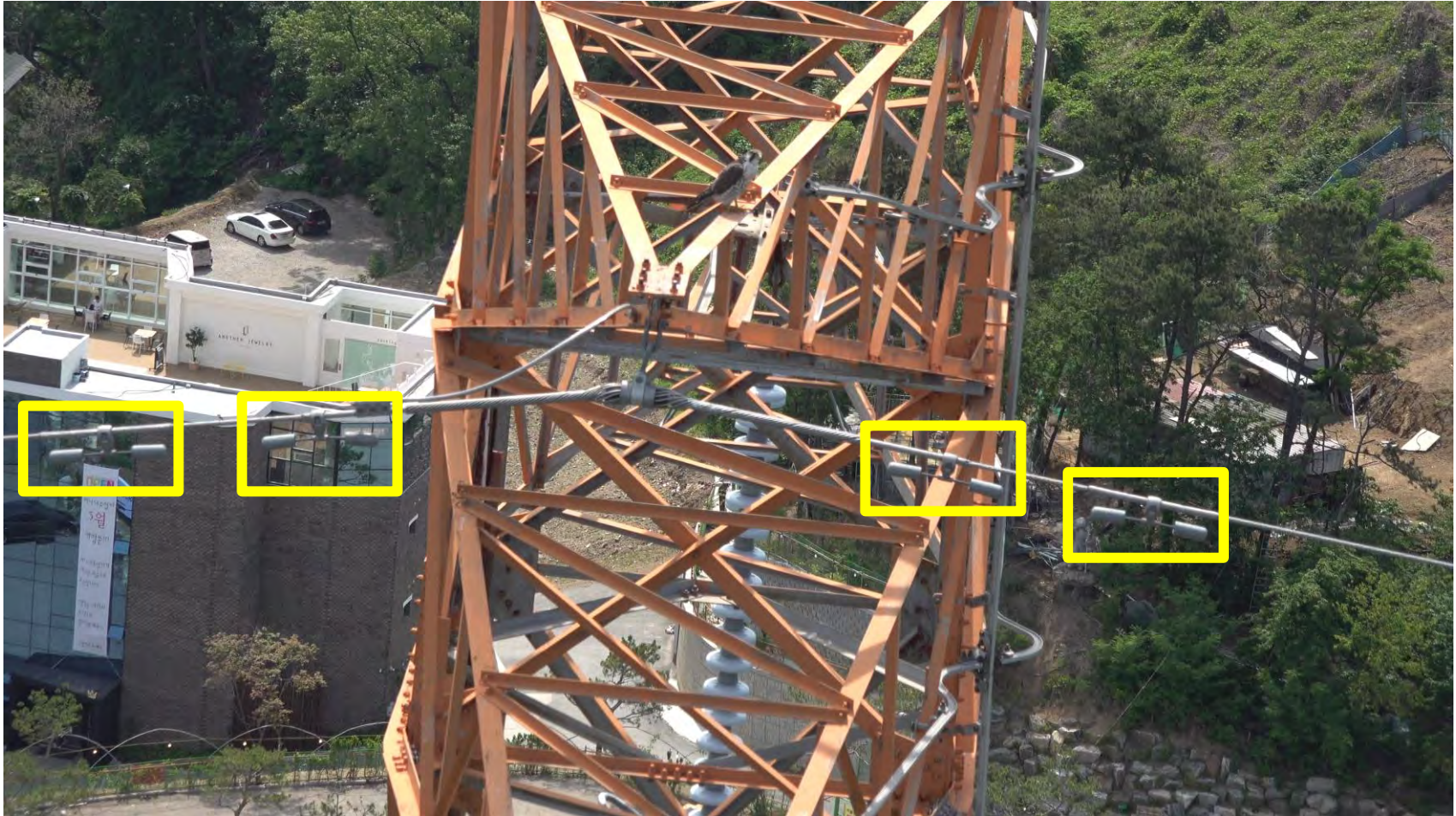














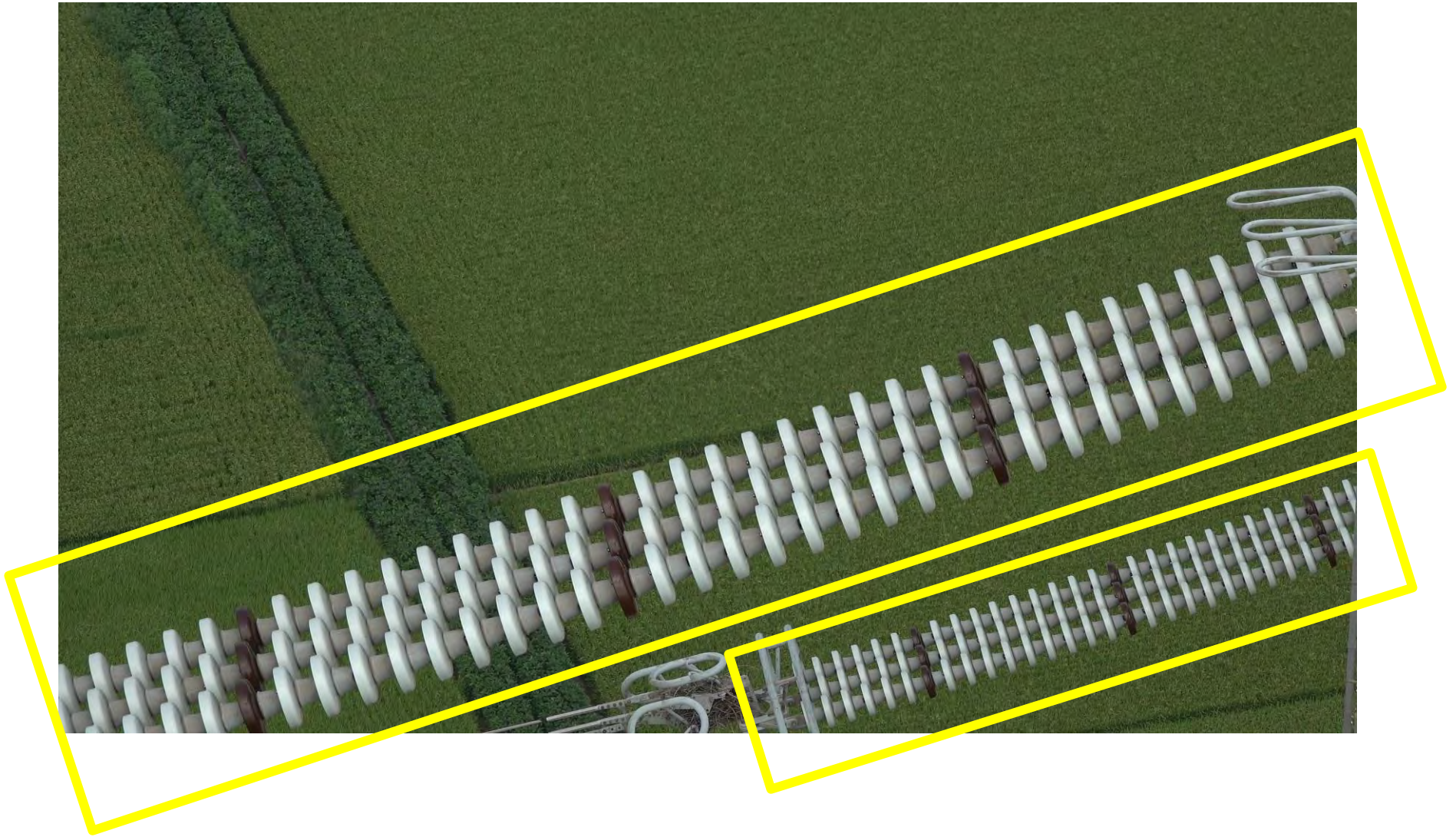




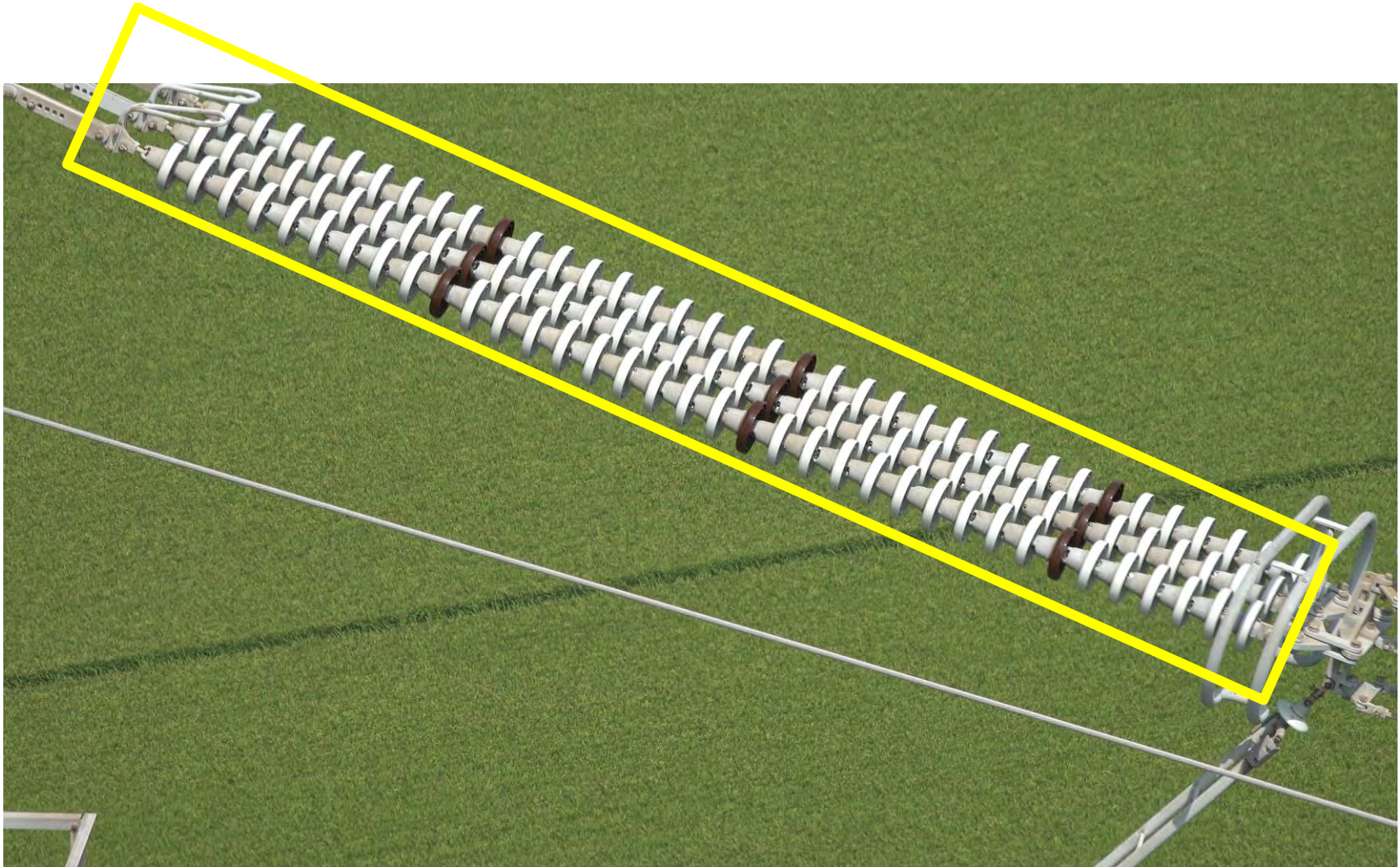




# Tension Insulation String



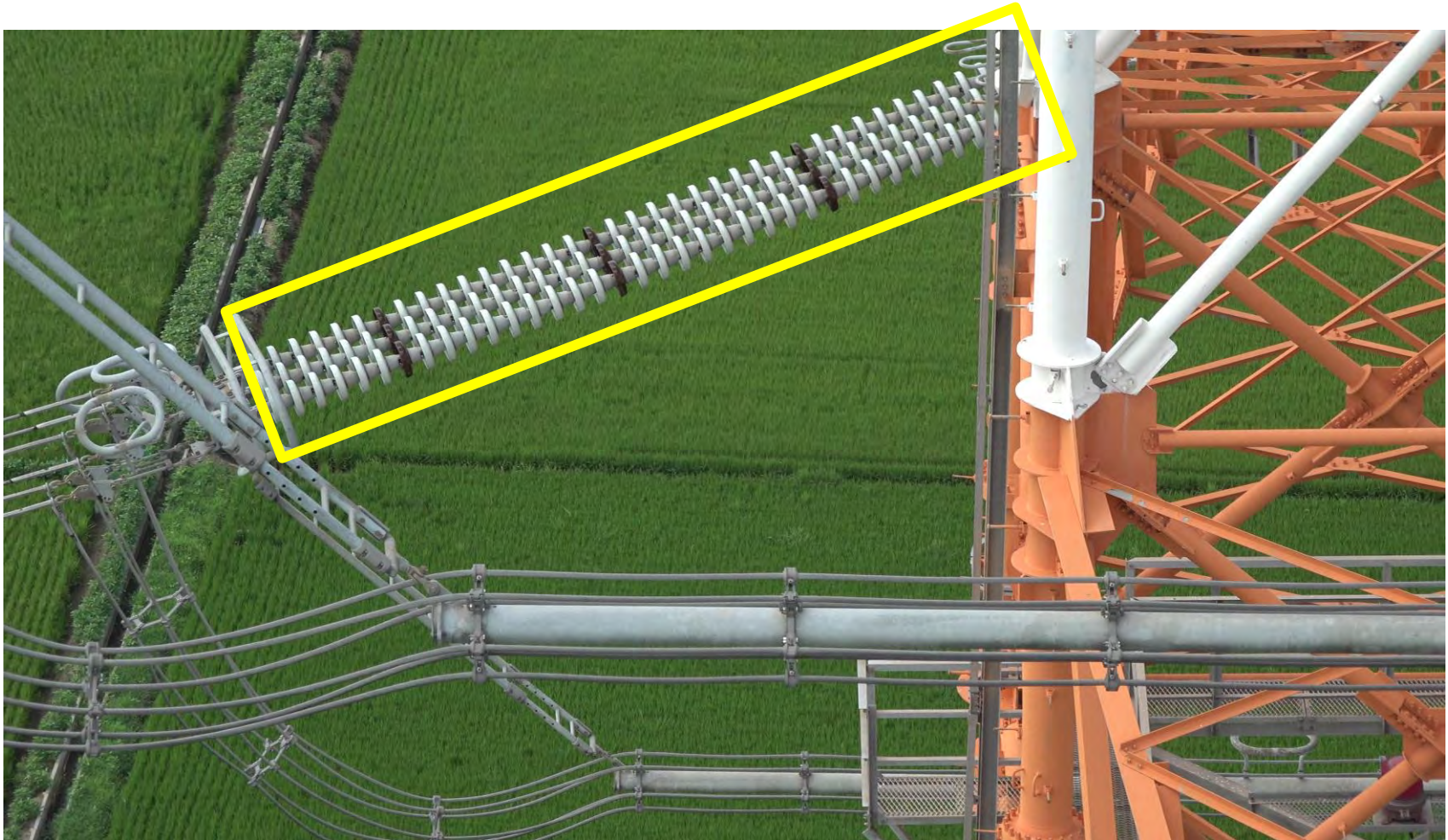








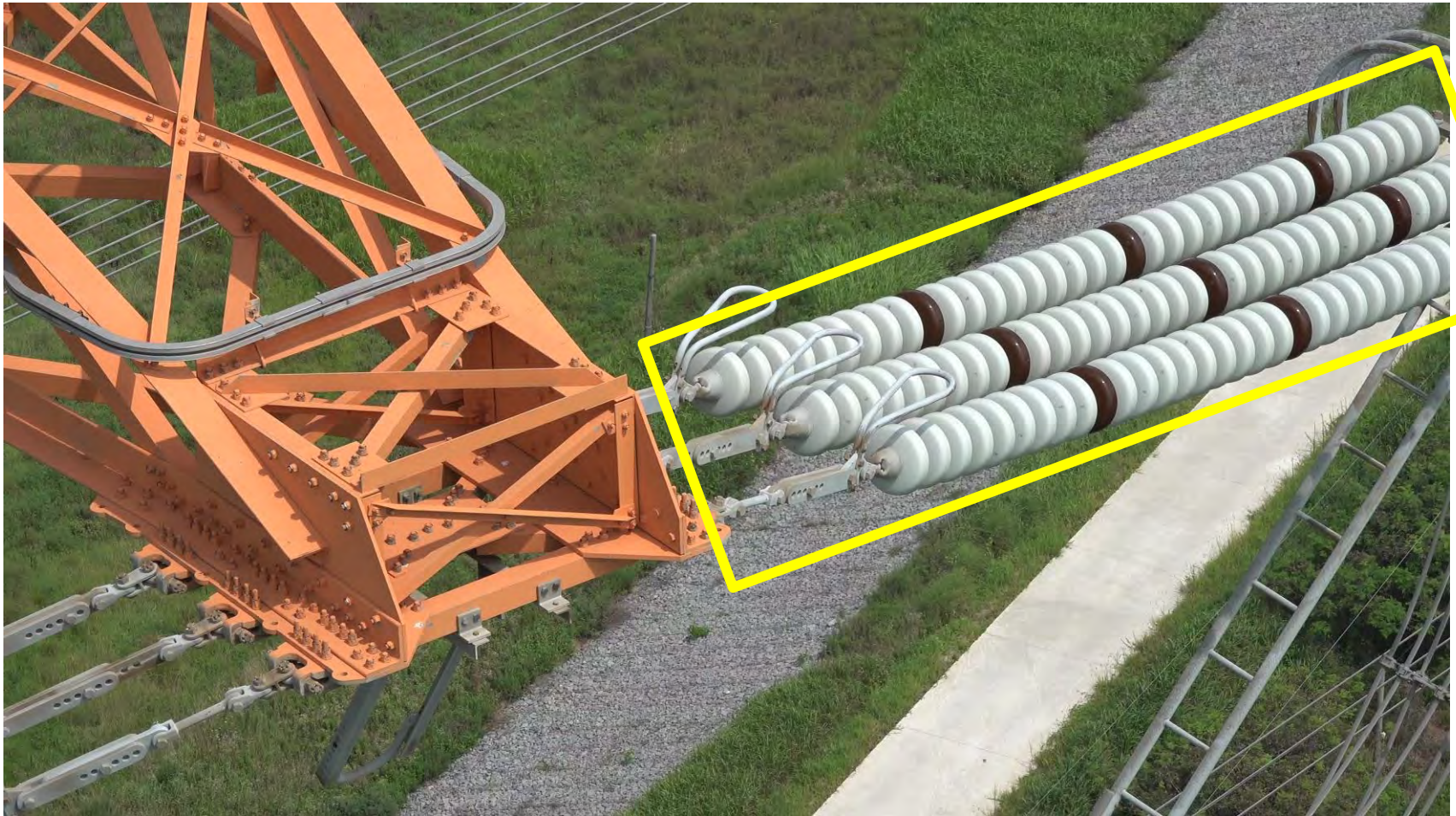




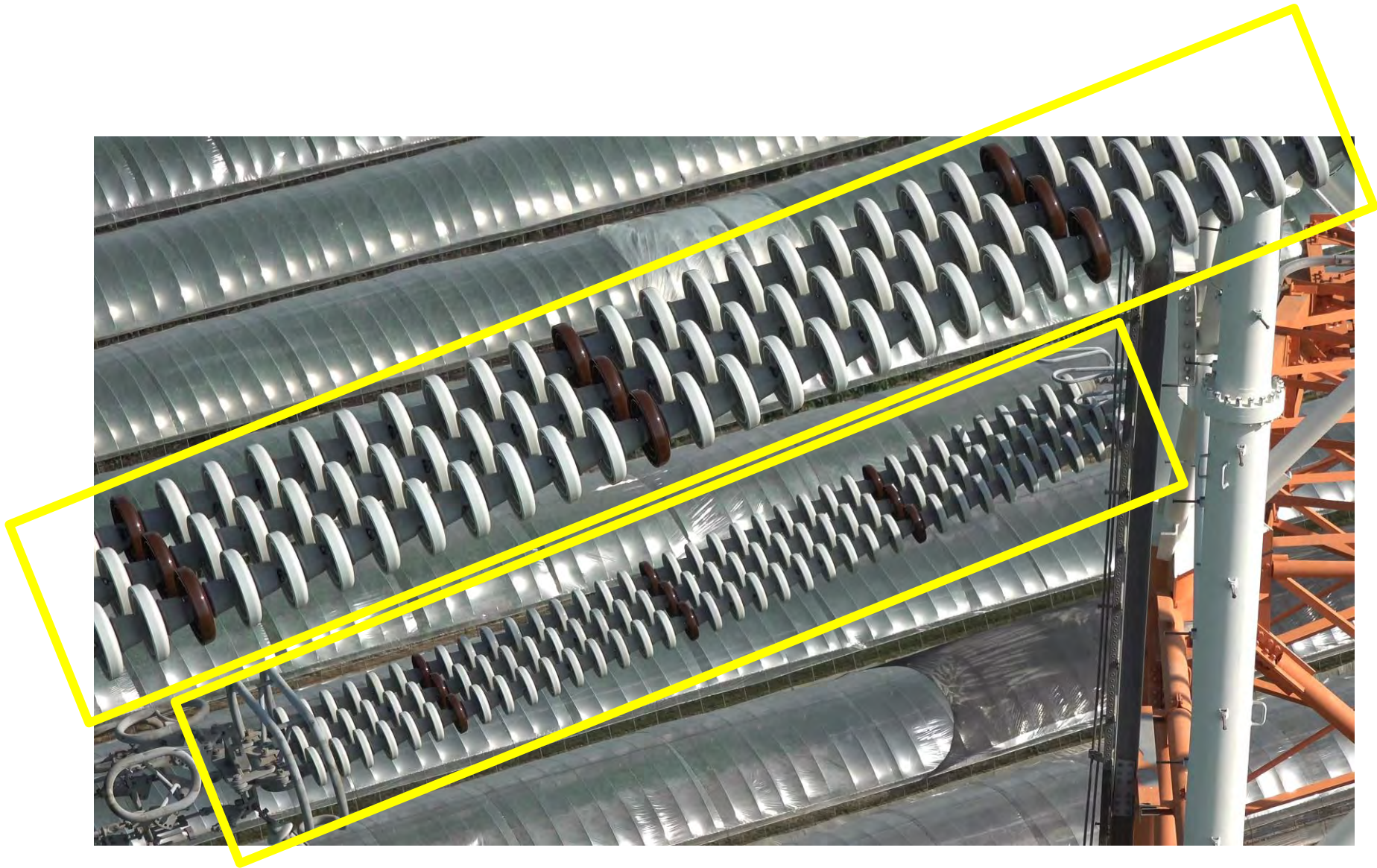




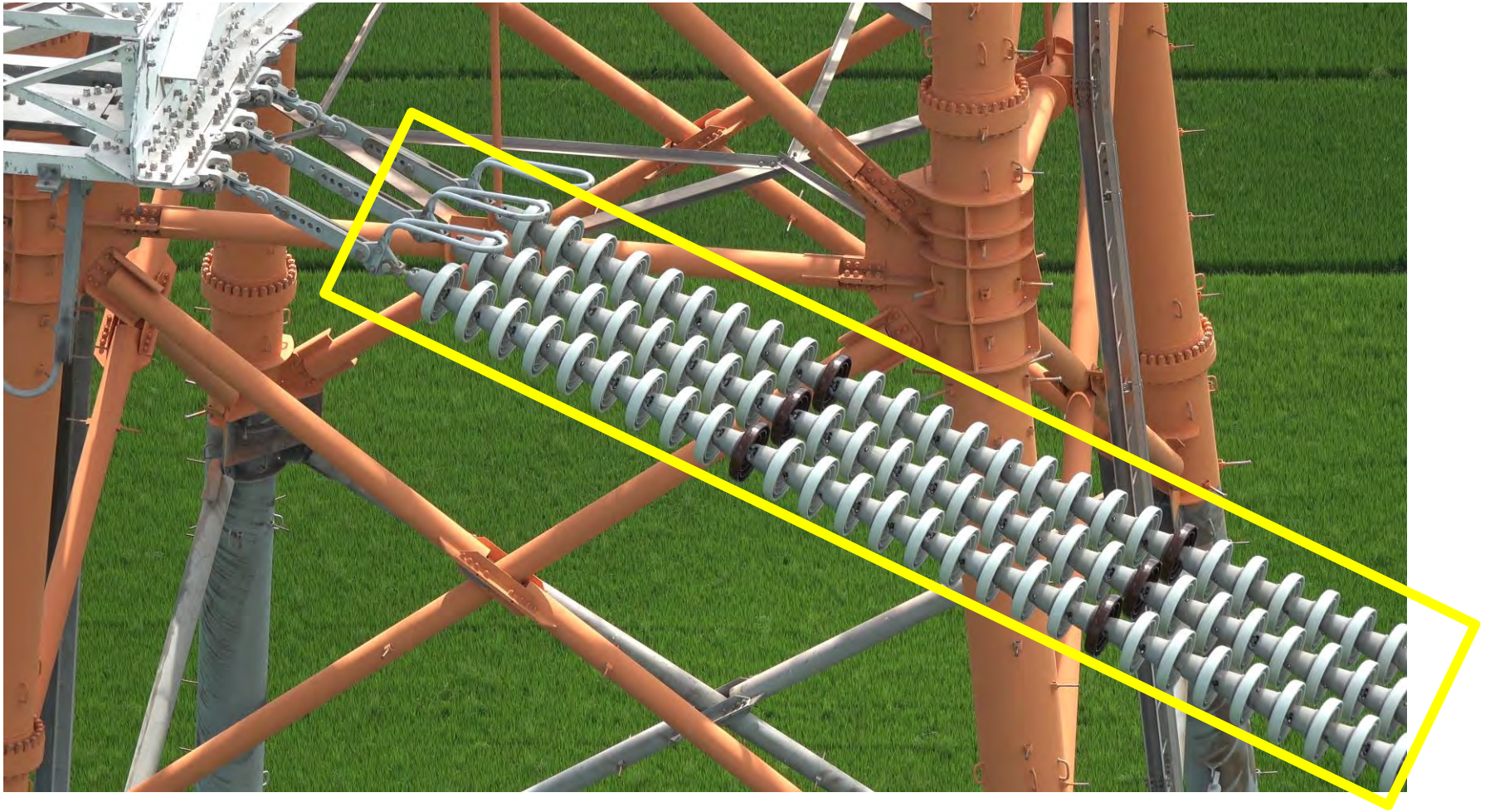
















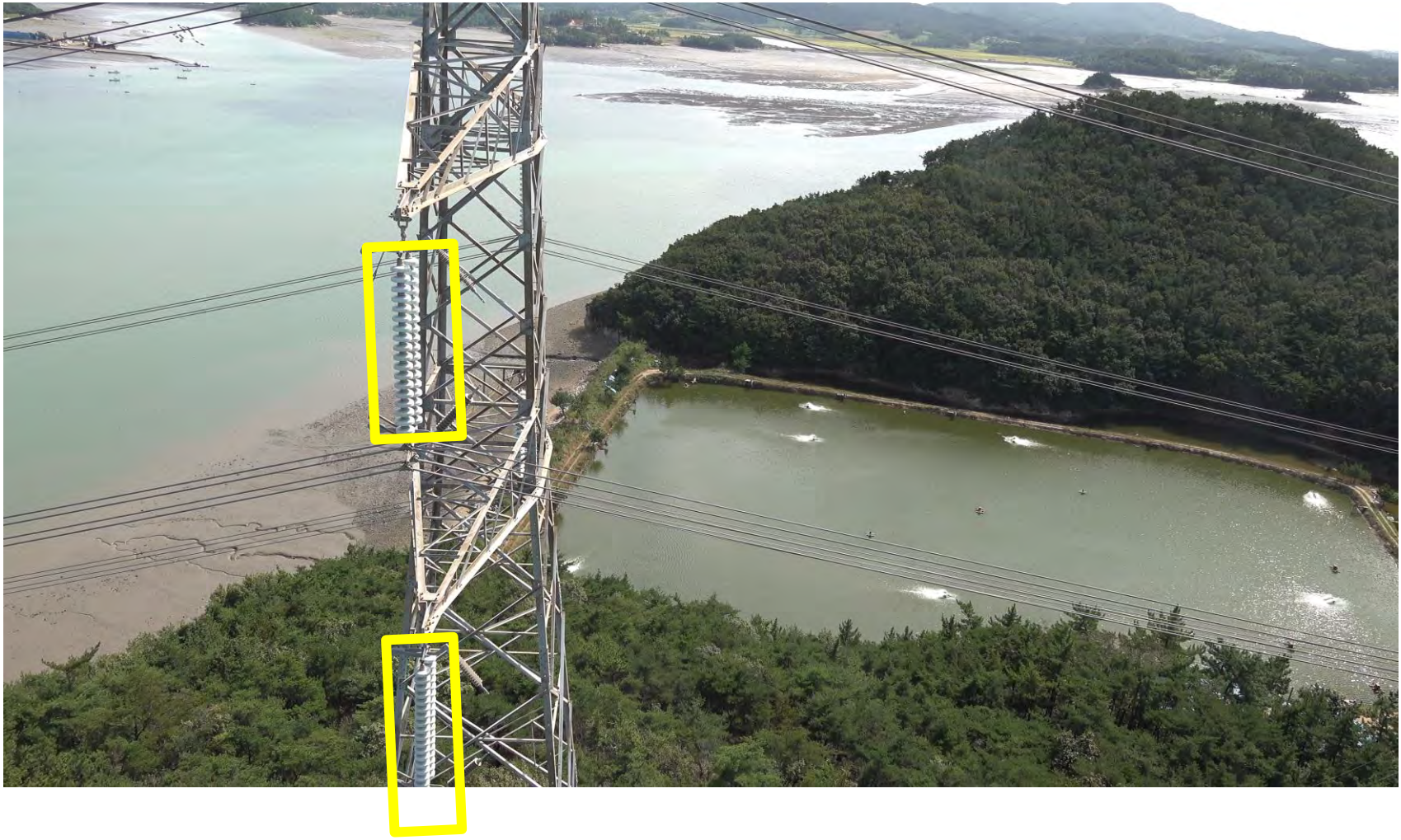


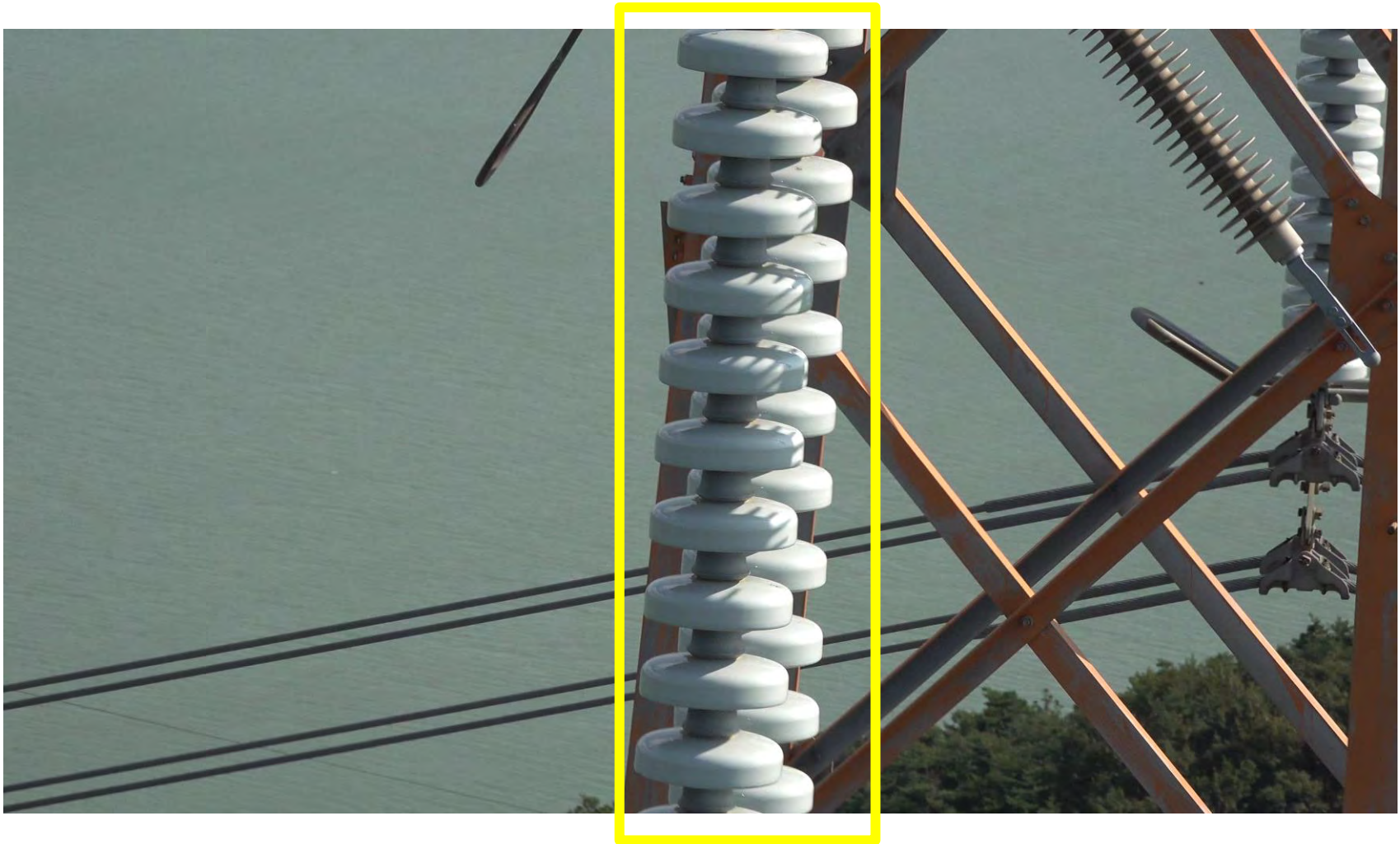




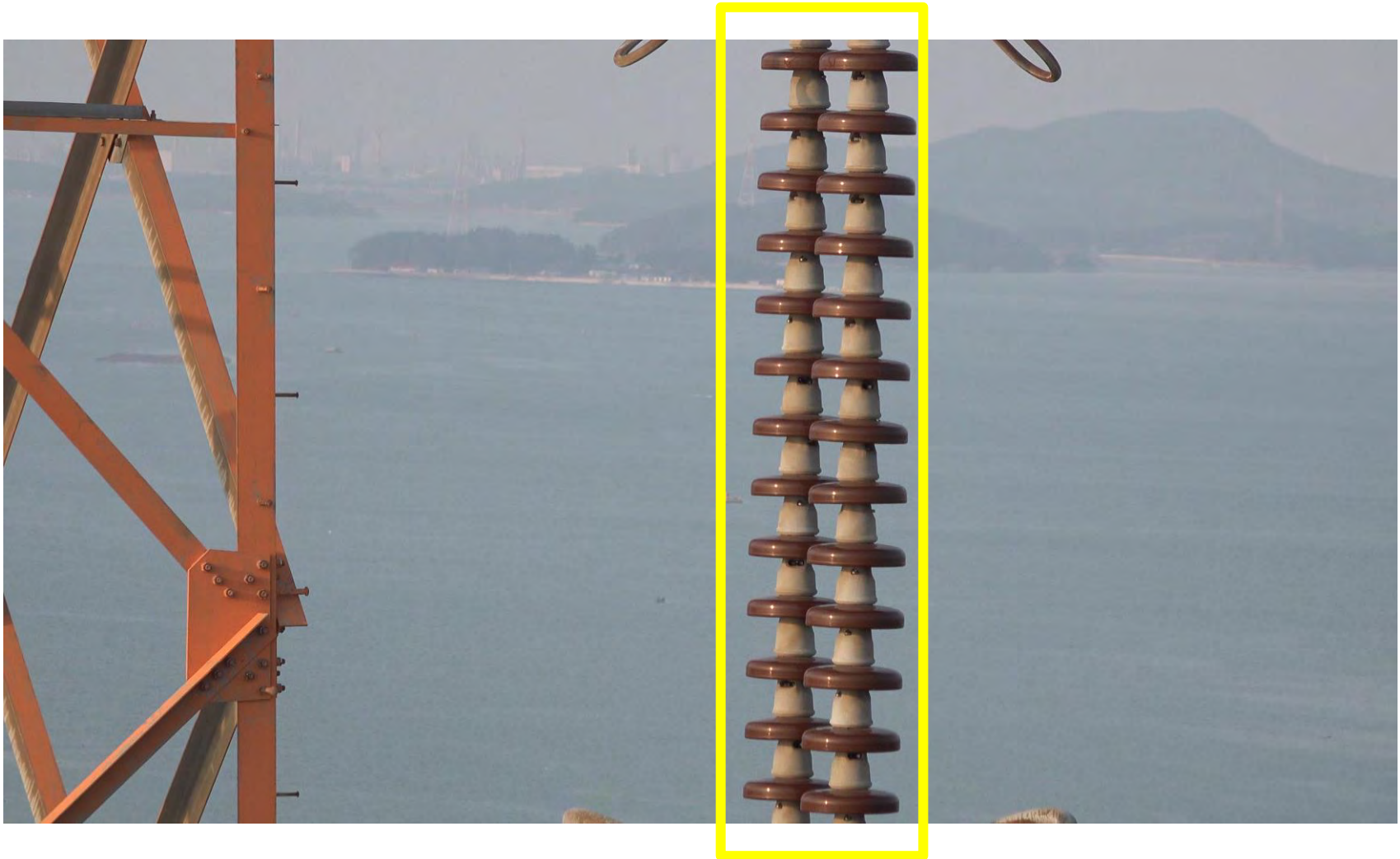
# Suspension Insulator String





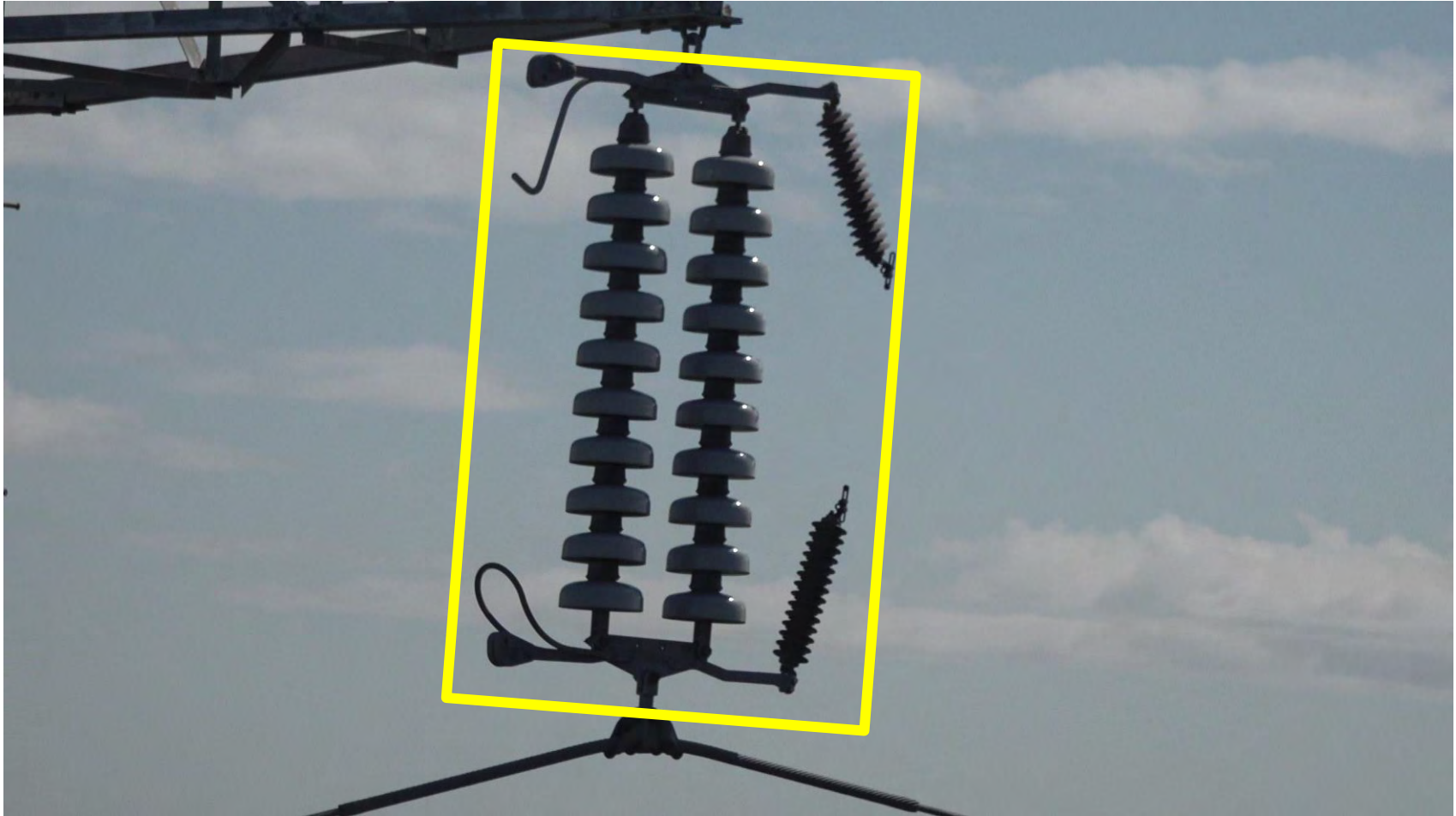








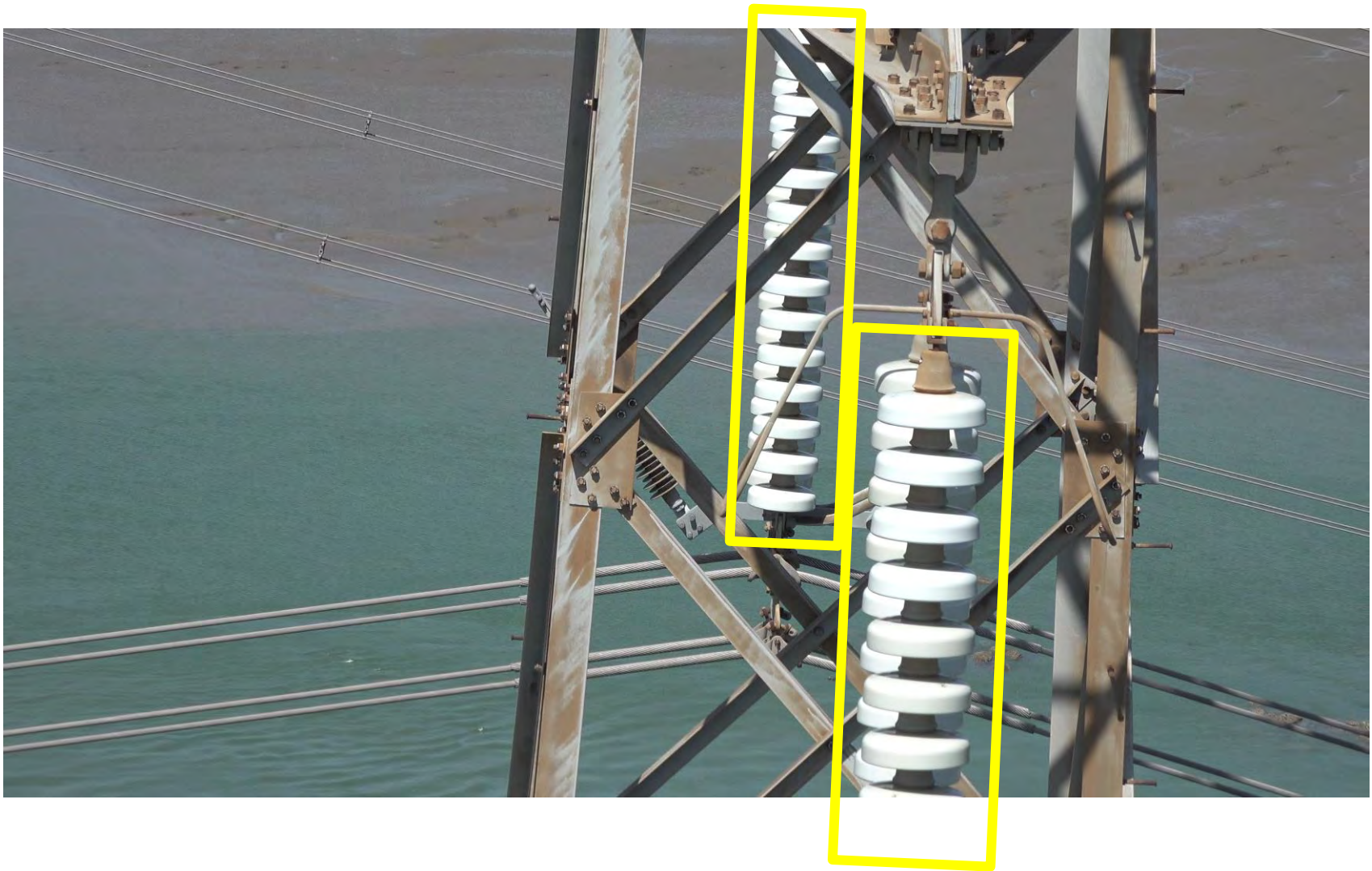






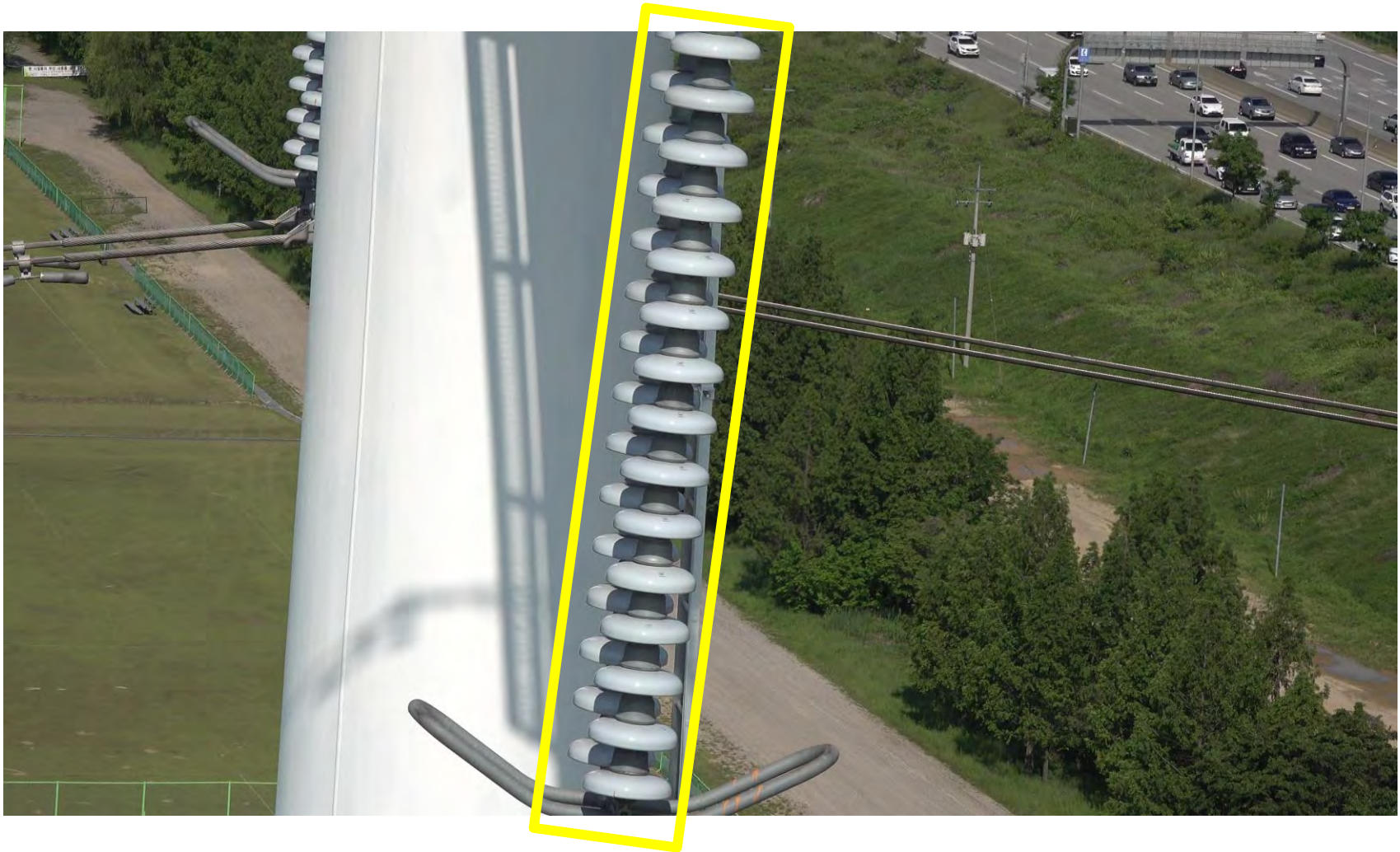






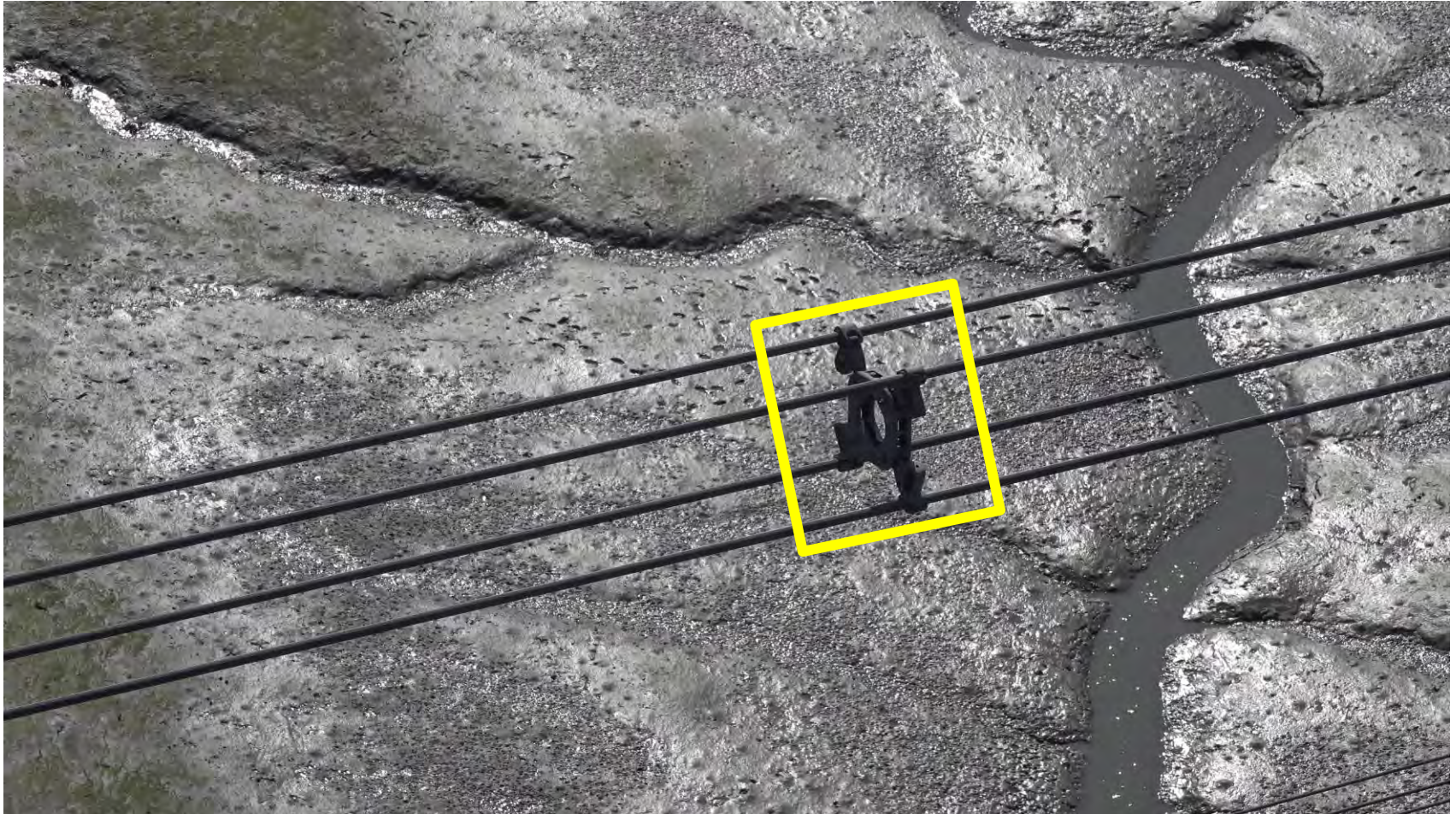








# Spacer



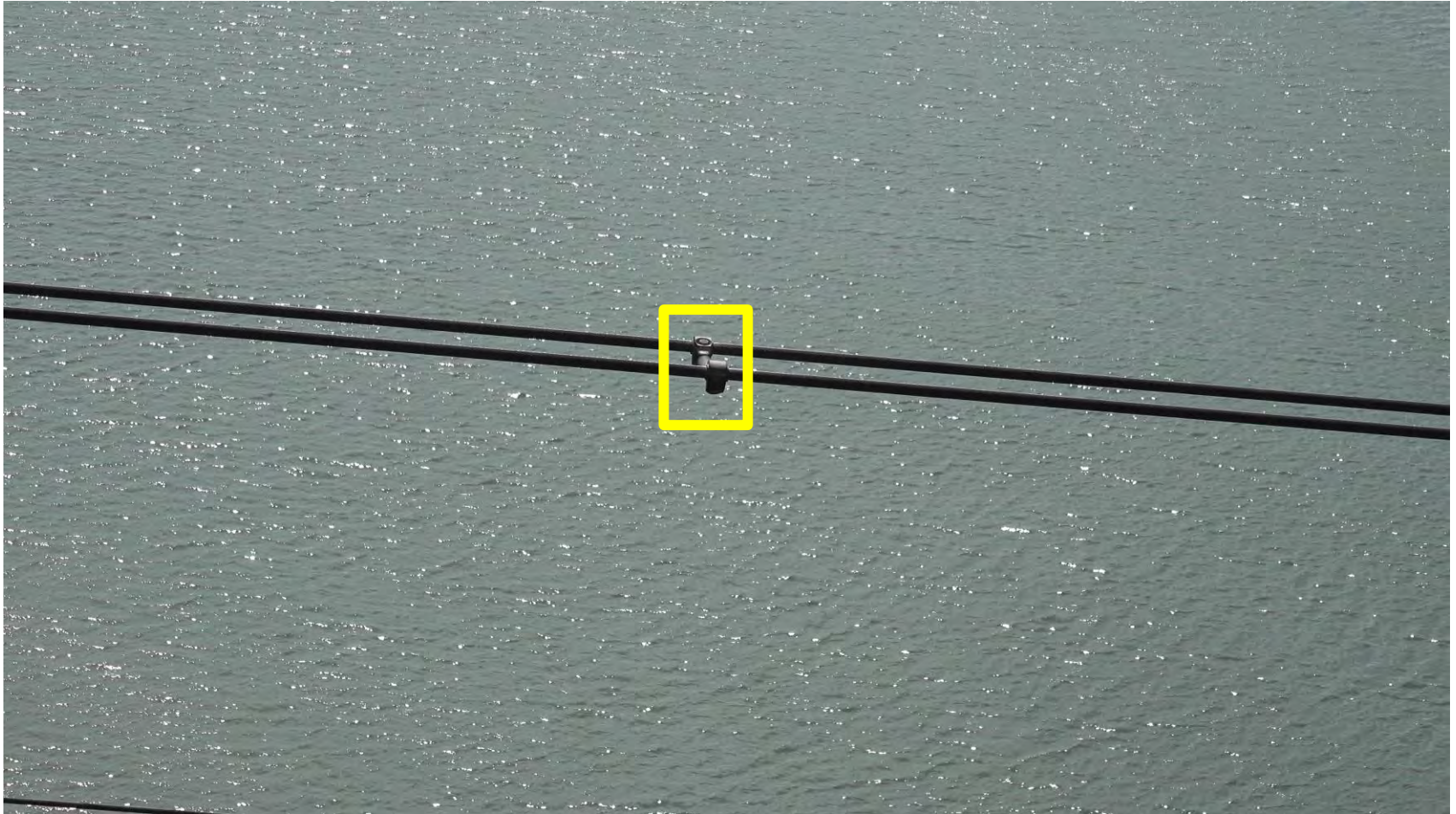




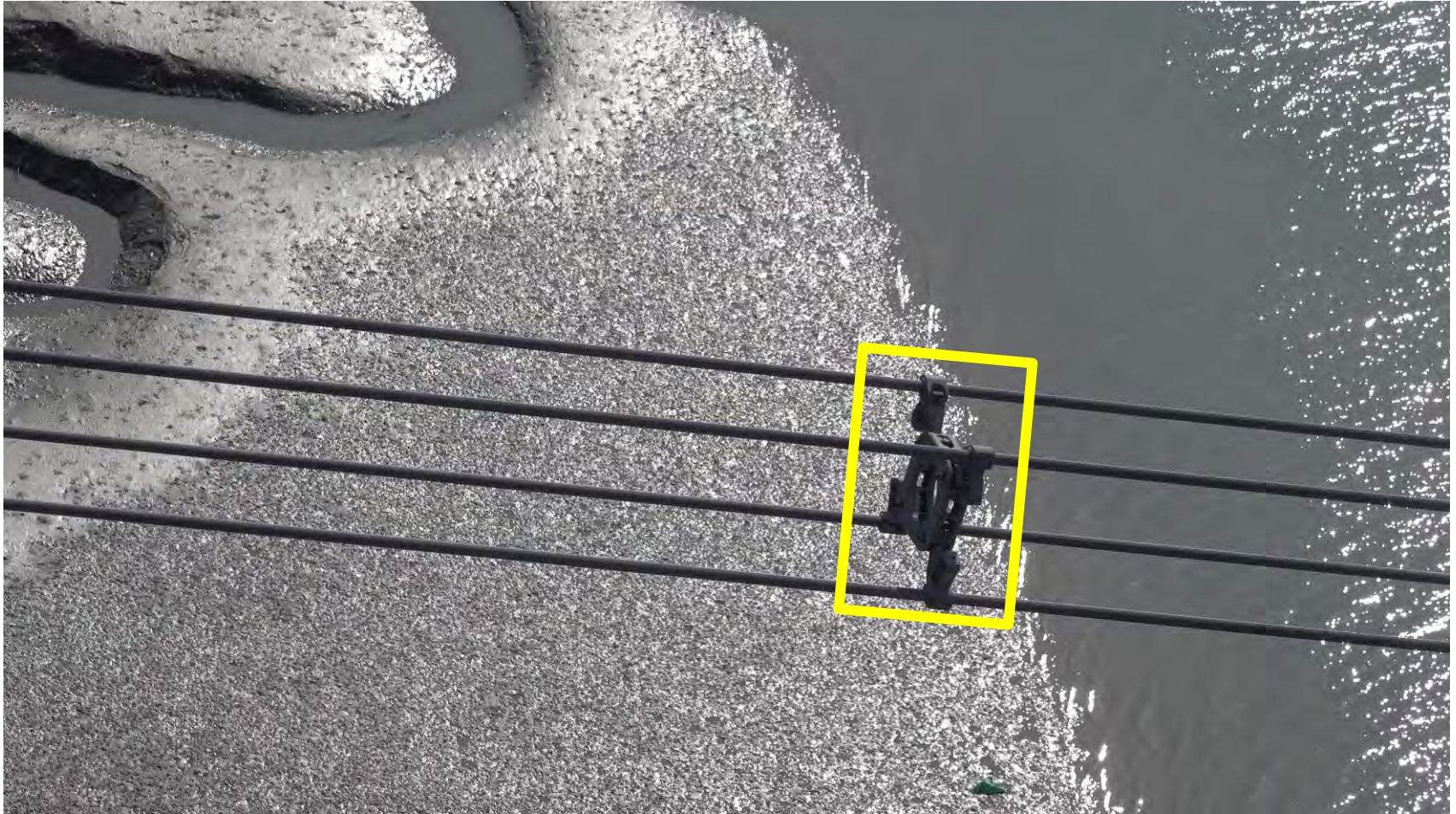




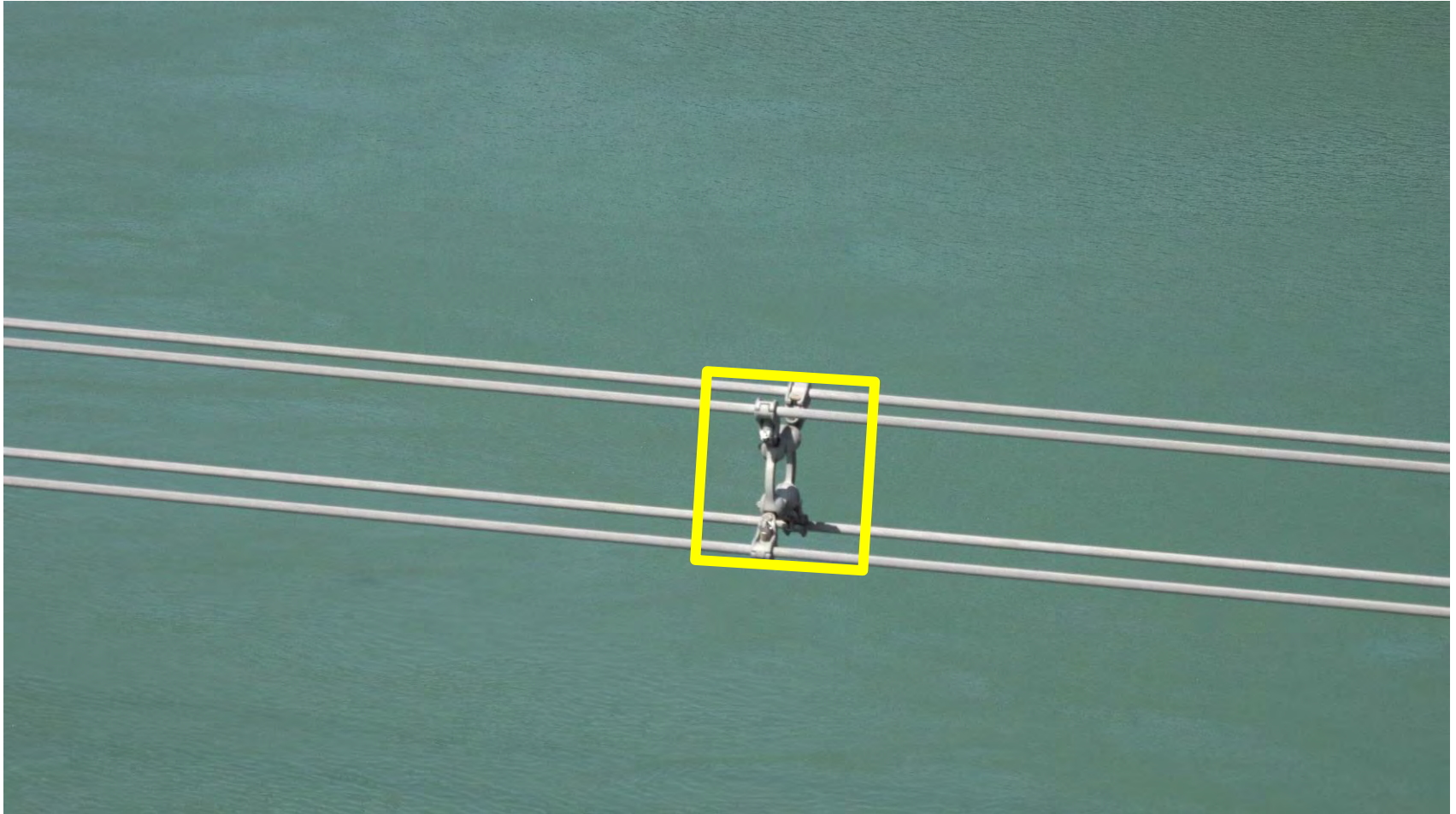


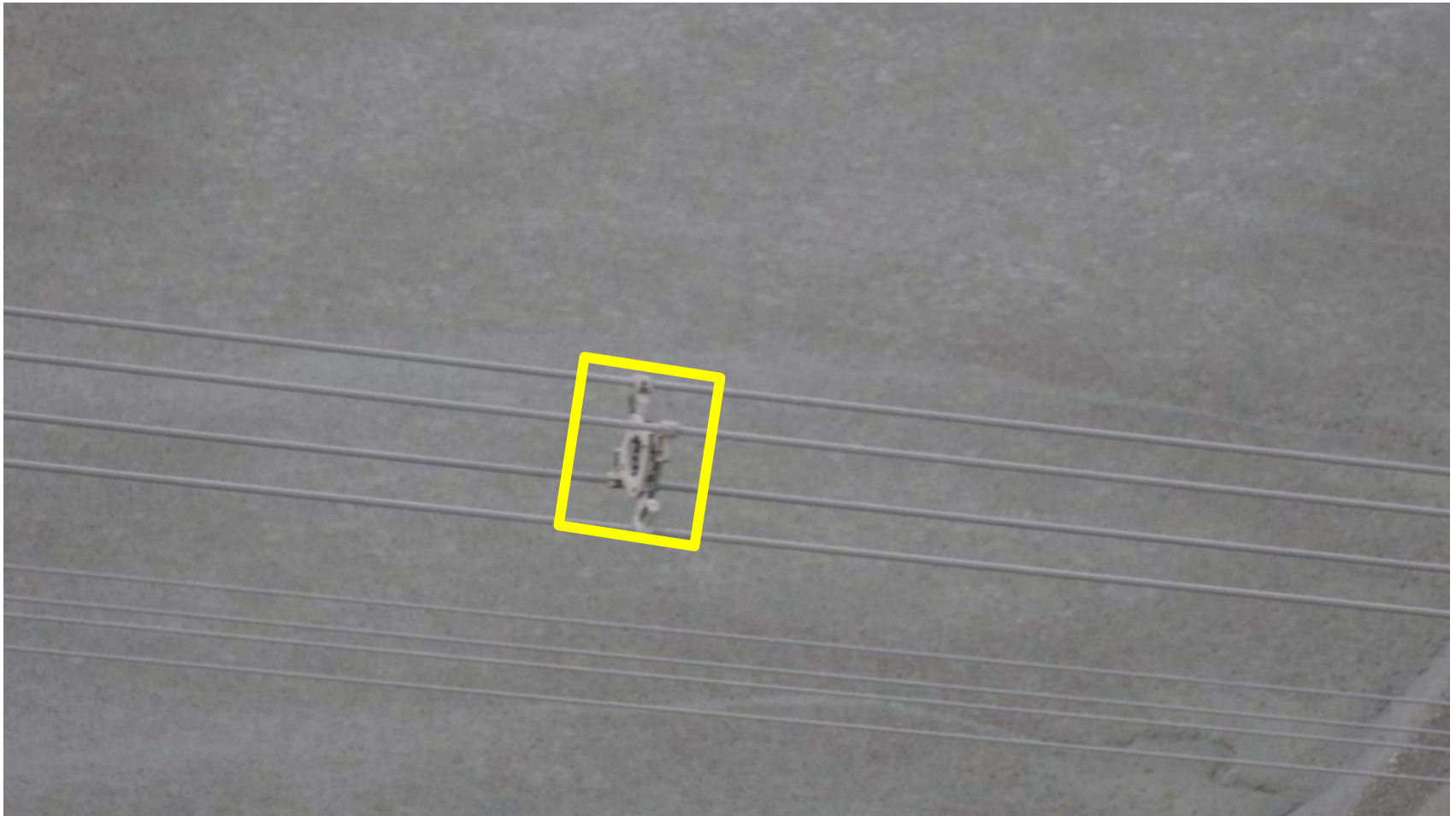




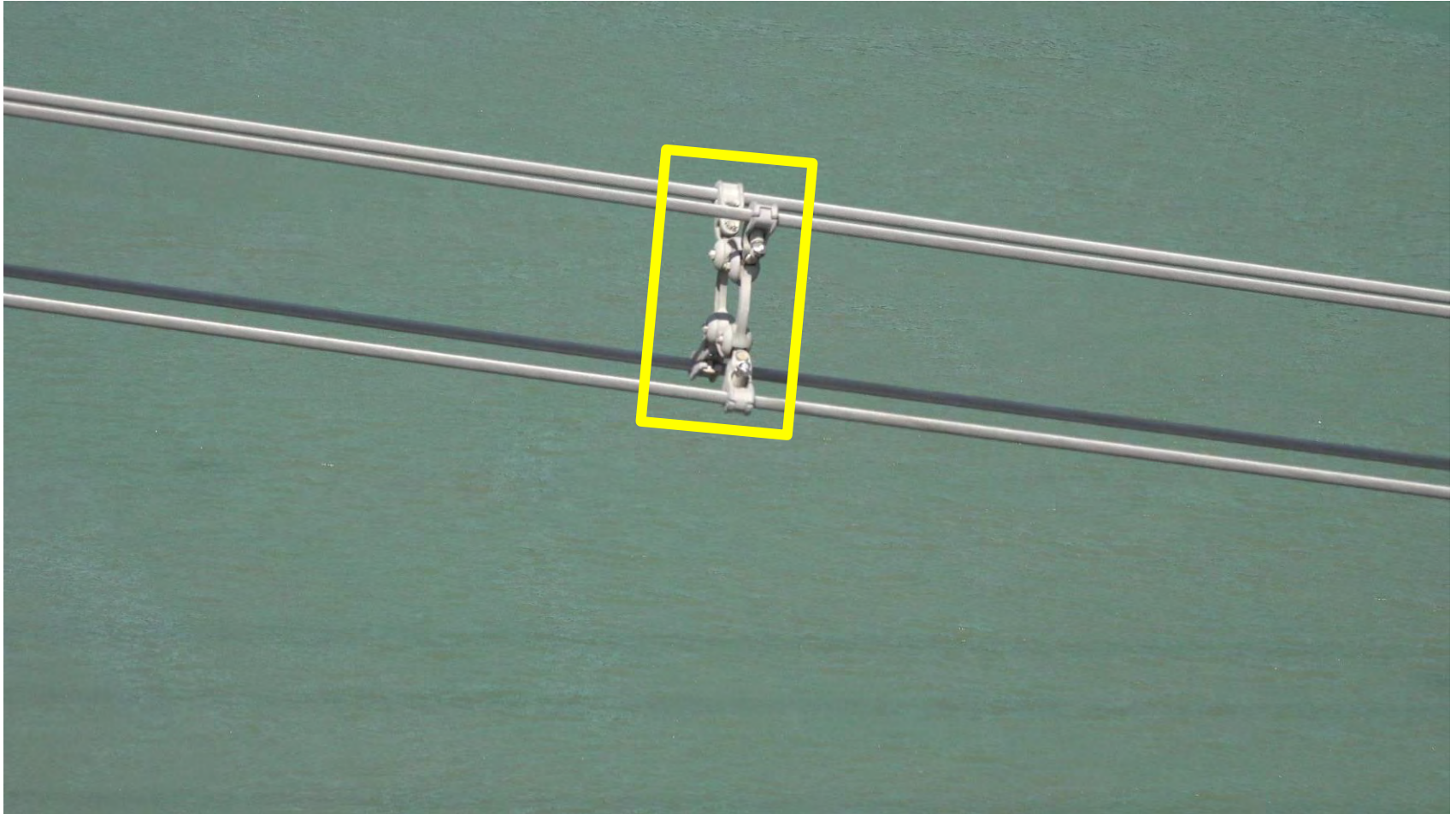


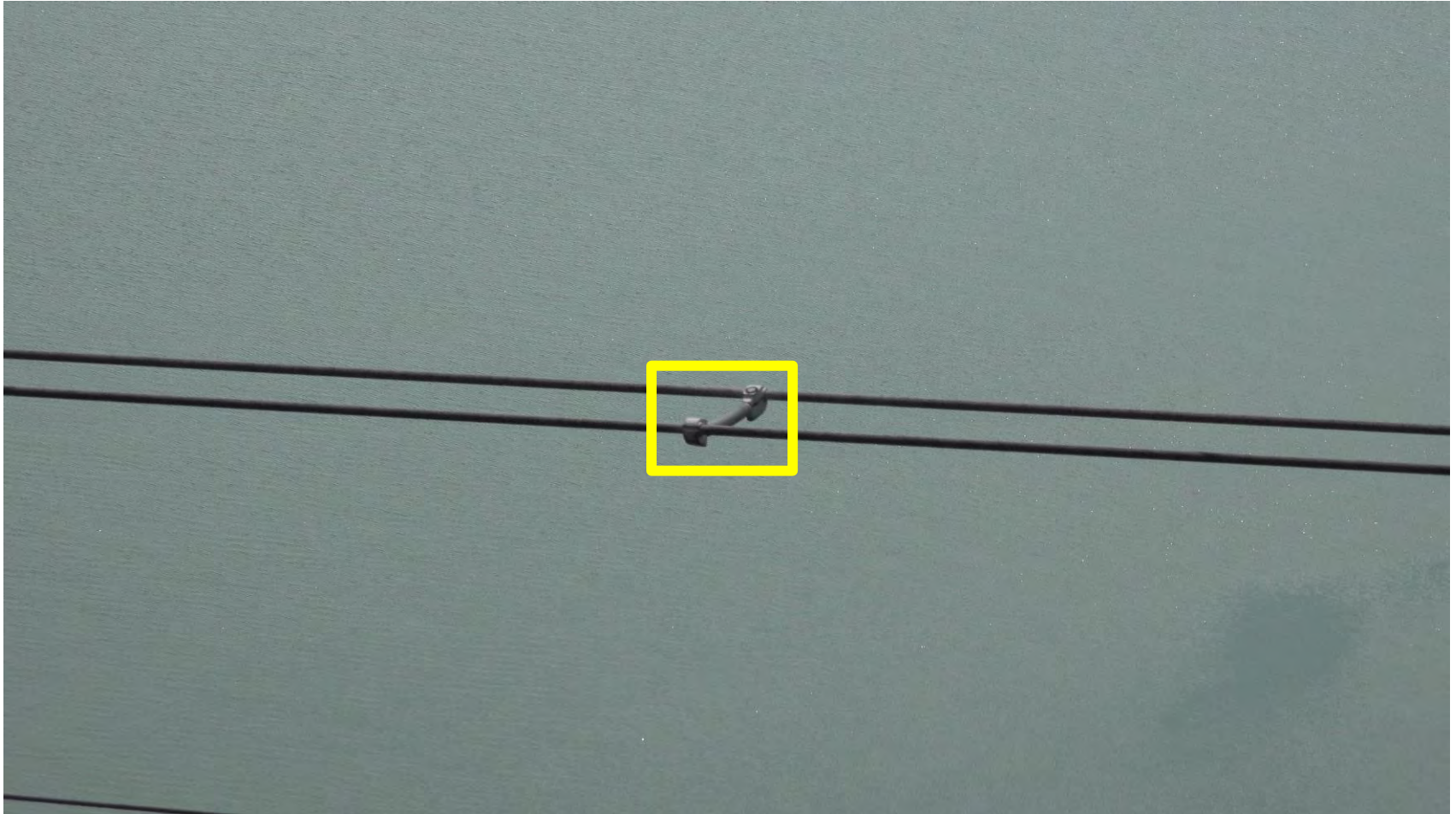














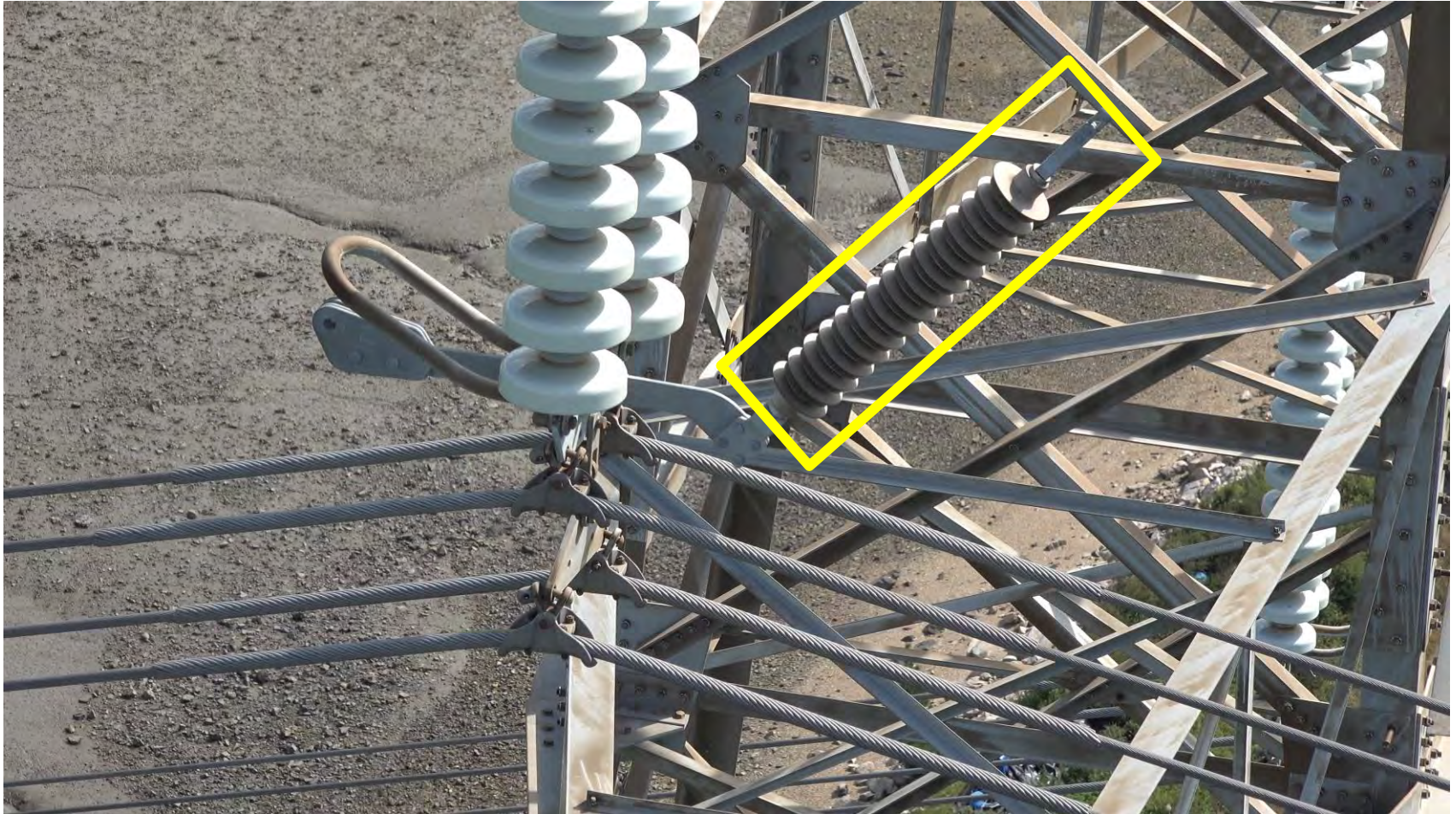


# Lightning Arrestor

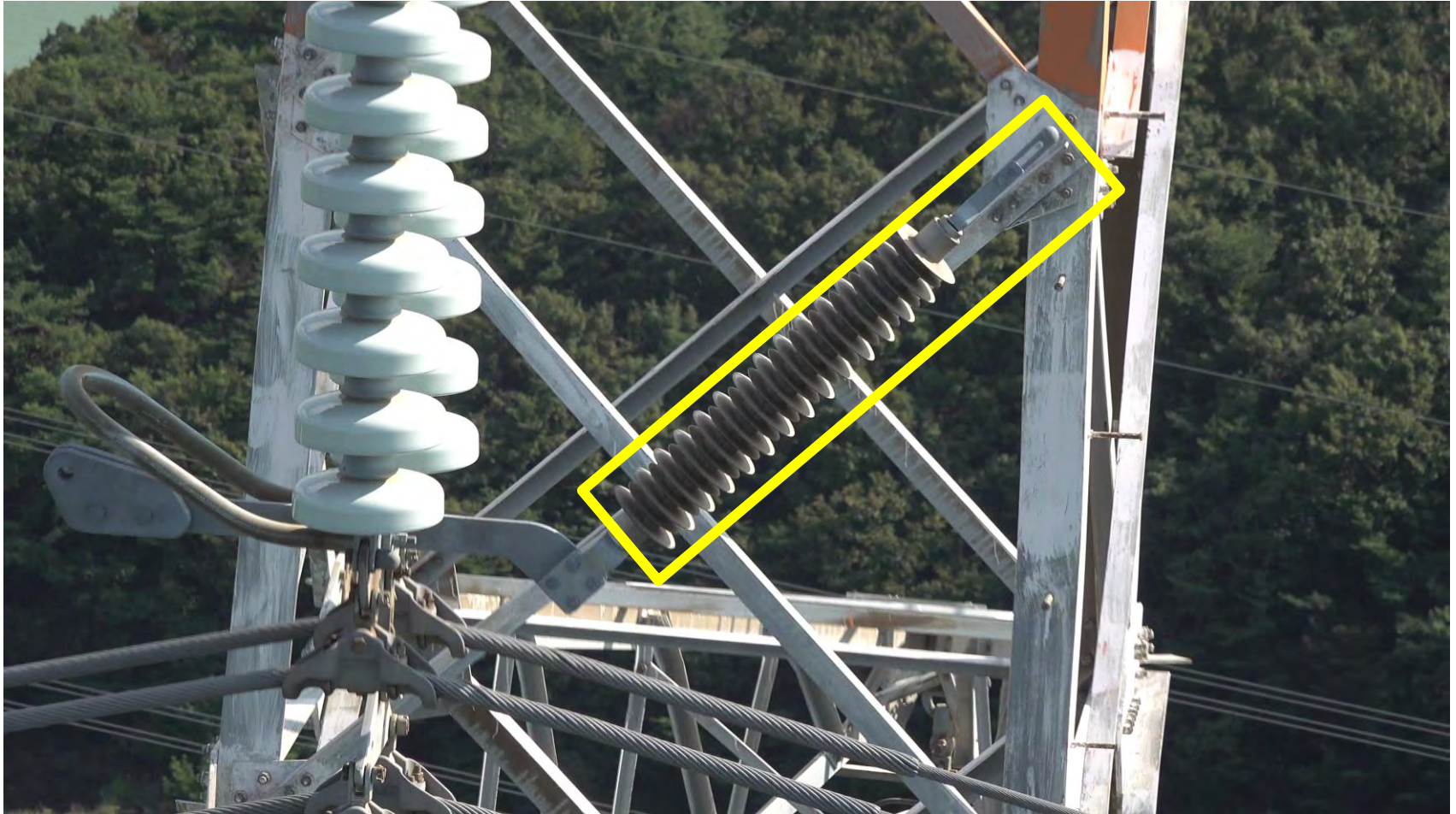


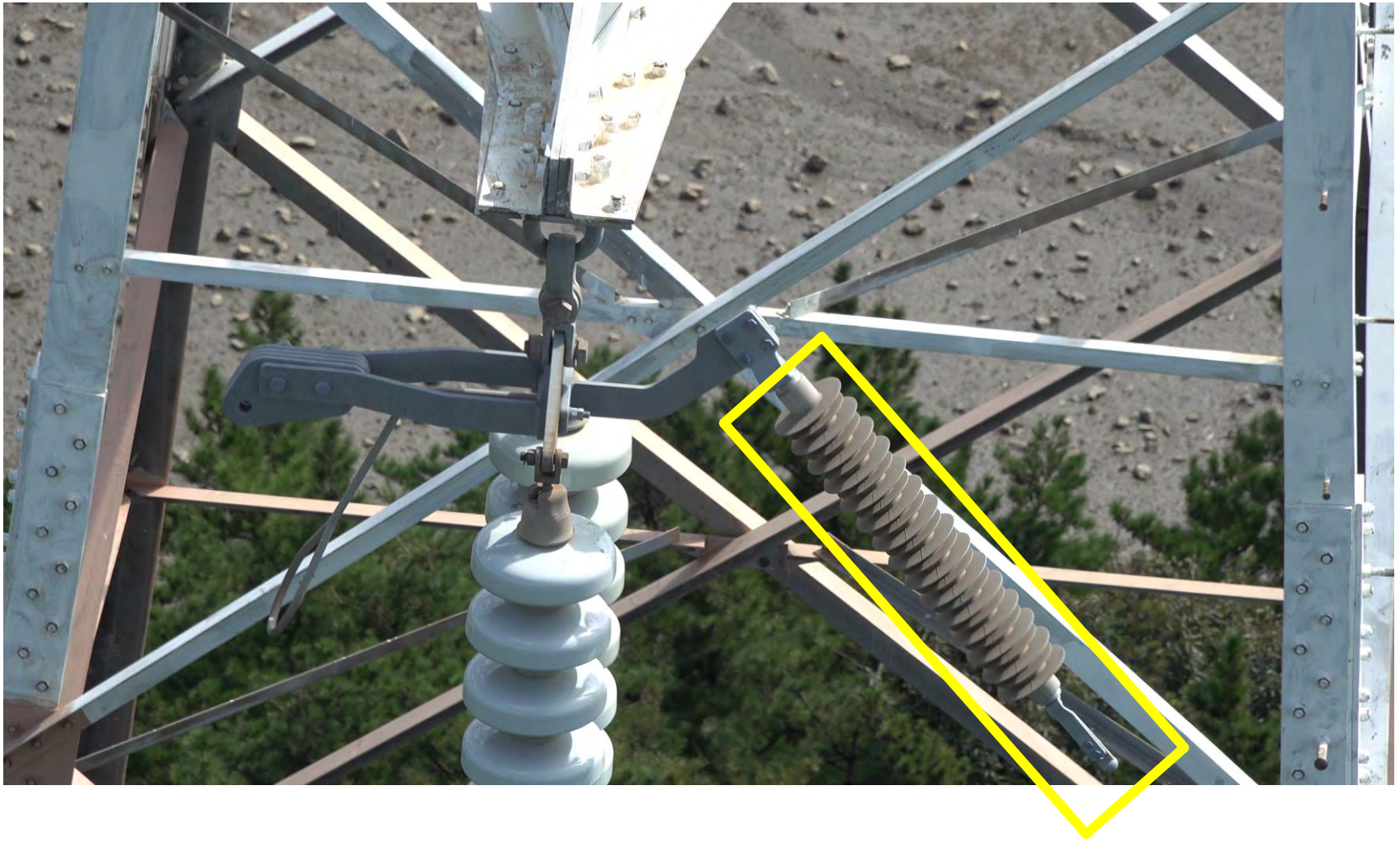




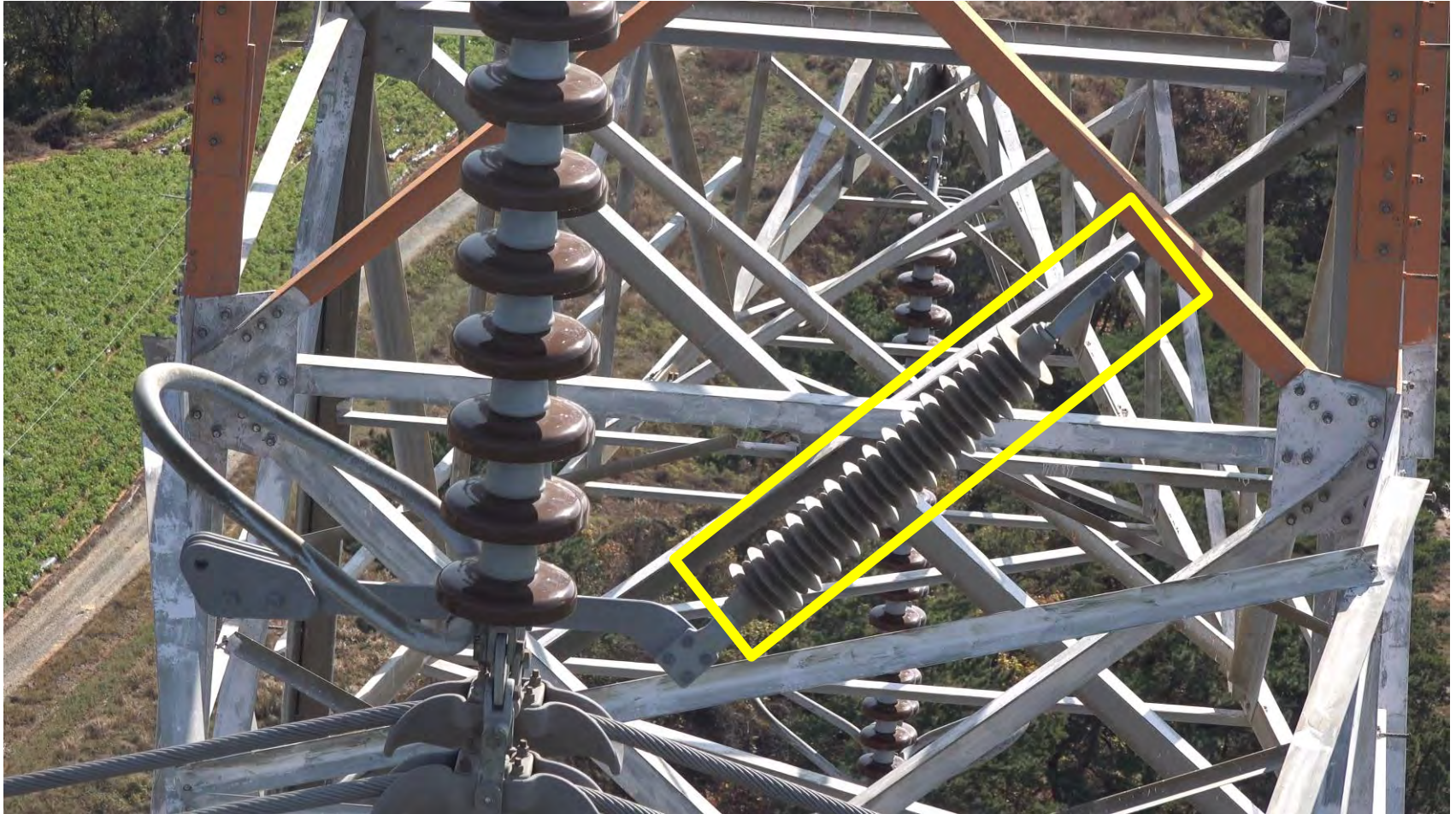




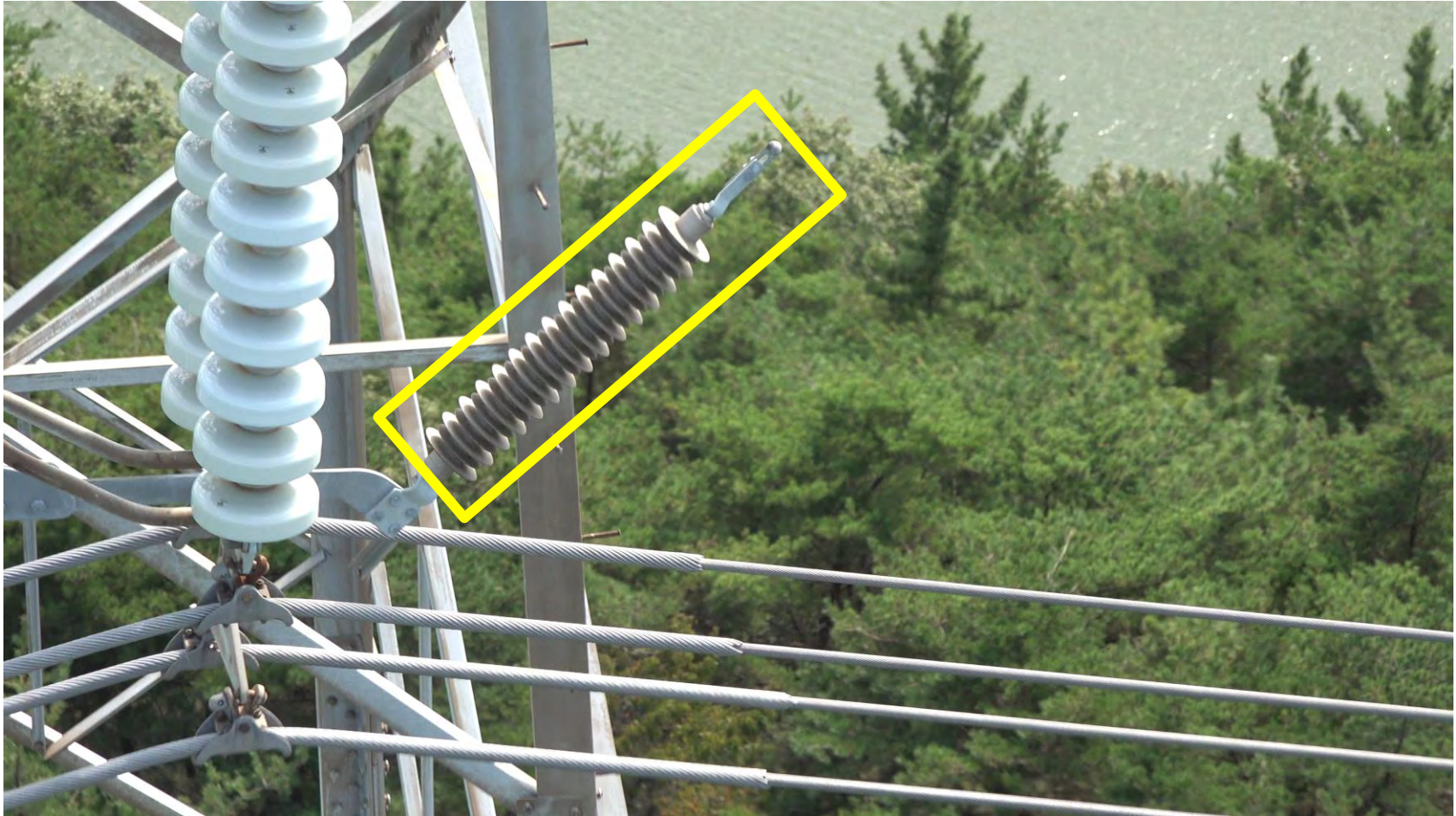








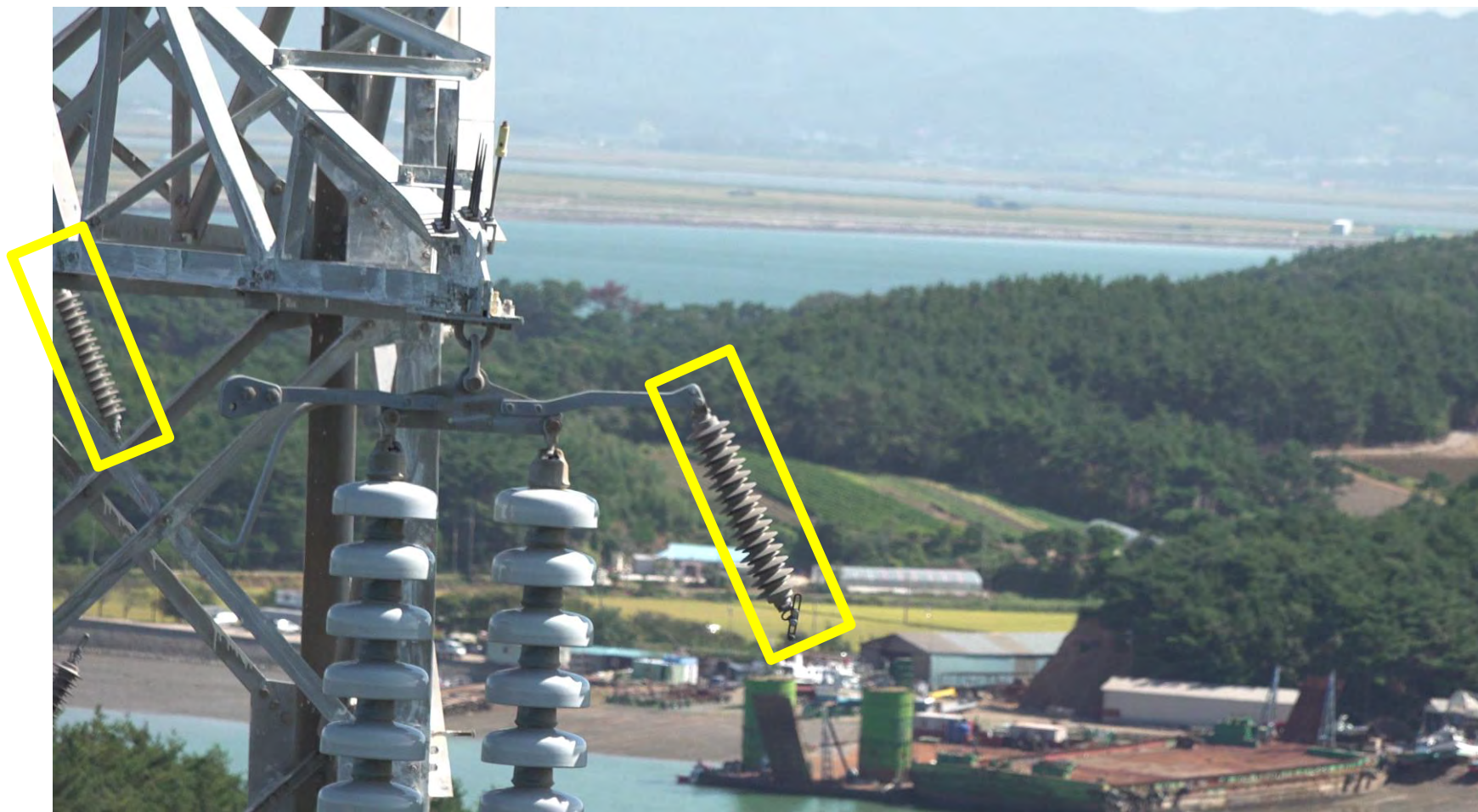




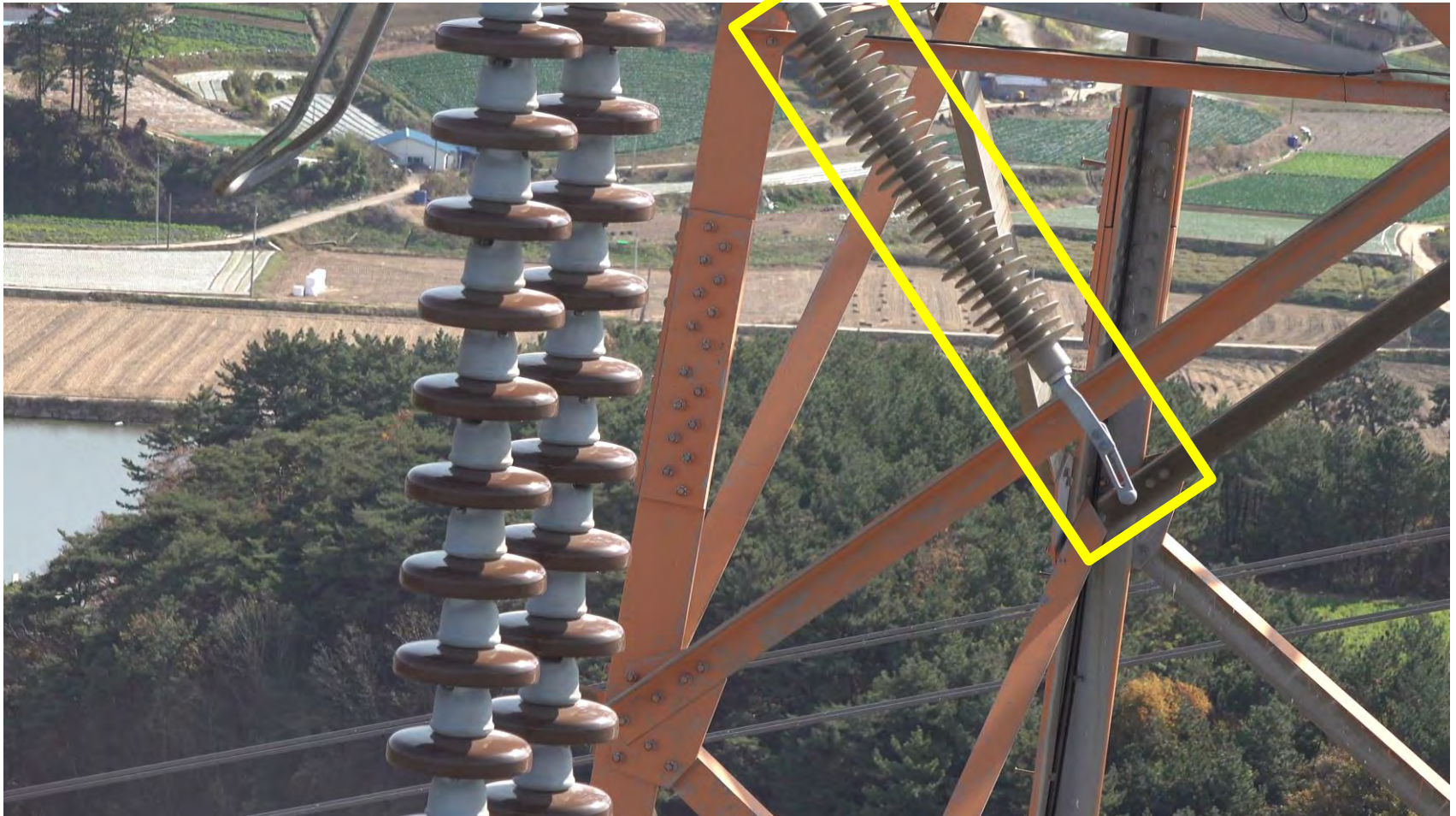


















# Aviation Obstacles





