Top 10 Deployment Scenarios by Filtration Cost Efficiency

Swarm Size	Region Type	Filter Type	Air Processed (m³/day)	PM2.5 Removed (g)	CO₂ Removed (kg)	Cost/Drone/Day ($)	Energy Used (kWh)	$/Ton Pollutant	Notes
500	Tropical Forest Edge	Zeolite	13350152	594	19952	1.2	1536.96	30.07	Optimized
10000	Industrial	Activated Carbon	275606091	15078	399278	1.21	38497.21	30.3	Optimized
5000	Industrial	Hybrid (Carbon+Ge...	136092061	4829	198487	1.21	13335.11	30.48	Optimized
1000	Coastal	Zeolite	27870969	1179	40979	1.33	3984.04	32.45	Optimized
10000	Smog Belt	Hybrid (Carbon+Ge...	270168329	18075	394996	1.29	35359.24	32.66	Optimized
25000	Industrial	Hybrid (Carbon+Ge...	698987598	54651	903052	1.27	95831.57	35.16	Optimized
10000	Coastal	Activated Carbon	262807321	18897	380517	1.34	34634.42	35.21	Optimized
100	Urban Dense	Zeolite	2449289	176	3661	1.29	370.44	35.24	Optimized
1000	Smog Belt	Nano-Cellulose	22956595	1614	34024	1.2	2683.56	35.27	Optimized
1000	Coastal	Mycelium	27531054	1905	37171	1.33	2767.79	35.78	Optimized