

Cost Comparison of Electricity Usage Classic Theatre UDF vs Surgicube Theatre

Estimation of electricity usage in a Classic Theatre		Total		operational	standby
Invoice provider January		€	5,400		
Additional supply solar panels	40%	€	2,160		
total cost of electricity per month		€	7,560		
of which (o.w.) Theatre:	80%	€	6,048		
o.w. air treatment	45%	€	2,722	50%	€ 1,361 € 1,361
o.w. warm water for air treatment system	5%	€	302	80%	€ 242 € 60
o.w. air supply fan	25%	€	1,512	50%	€ 756 € 756
o.w. air exhaust fan	25%	€	1,512	50%	€ 756 € 756
cost/hours in standby				557	€ 6
cost/hours in operation				173	€ 17

total hrs/month	730
#hrs in standby	557
#hrs in operation	173

estimation of electricity usage Surgicube Theatre		operational		standby	
o.w. Surgicube	10%	€	136	1%	€ 14
o.w. warm water for air treatment system	50%	€	30	20%	€ 12
o.w. air supply fan	50%	€	378	10%	€ 76
o.w. air exhaust fan	50%	€	378	10%	€ 76
cost/hours in standby				557	€ 0.32
cost/hours in operation	173	€	5.32		

	Classic Theatre UDF	Surgicube Theatre
depreciation	€ 4,446	889
maintainence	€ 1,500	417
hours standby/month	557	177
fixed costs/month	€ 9,060	1483
hours operational	173	922
cost/price/month	€ 11,993	2405
additional cost Classic Theatre UDF/month*	€ 9,589	
additional cost Classic Theatre UDF/year*	€ 115,063	

*estimates based on actual costs Classic Theatre UDF with Surgicube in 2 focussed clinics for ophthalmology in Belgium 2023

