

grav = 9.8 m/s²
rho_sw = 1025 kg/m³

Number of Batt Housings 2
Number of Lead Bricks 10

	<i>Mass</i>		<i>Disp</i>	<i>Wet Weight</i>	
<i>Component</i>	<i>kg</i>	<i>lbs</i>	<i>m^3</i>	<i>N</i>	<i>lbs</i>
<i>ESP in Shallow housing</i>	120.0	264.0	0.2480	-1315.2	-295.5
<i>Battery Housings (each)</i>	18.2	40.1	0.0140	38.1	8.6
<i>Base And Lift Hardware</i>	90.5	199.1	0.0740	143.6	32.3
<i>CTD (shallow 19+)</i>	7.3	16.1	0.0049	22.3	5.0
<i>Ballast Bricks (each)</i>	11.5	25.3	0.0010	102.3	23.0
Sub Total (ESP in Frame)	369.3	812.4	0.3653	-50.5	-11.3
<i>Double Bale Weldment</i>	65.0	143.0	0.0081	555.4	124.8
Totals	434.3	955.4	0.4	504.9	113.5

Target 170
Delta -56.5

ESP itself weighs 110lbs with reagents, pucks, etc. Measured on 8/22/15

Not included in Solidworks model