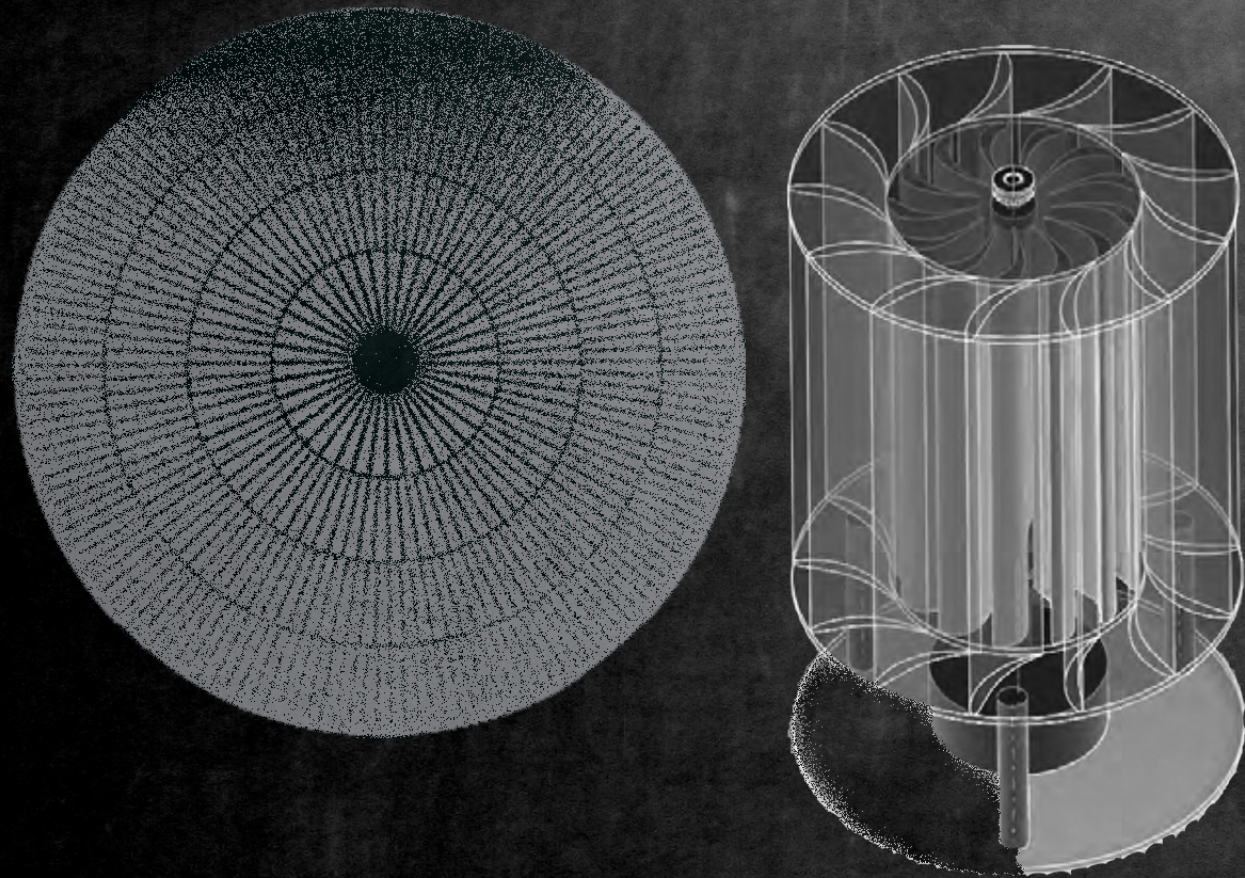
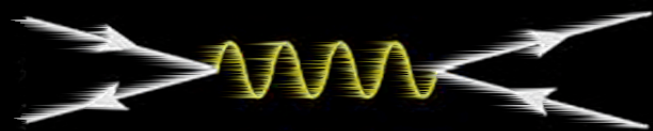


GOOD IDEAS for NOAA



$$M_{\text{elec}} = \int_{\frac{a_1}{2} \cos(\theta)}^{\frac{a_2}{2} \cos(\theta)} dM_{\text{elec}} = \frac{\varepsilon V^2 b}{2 \sin^2(\theta)} \left[\frac{D}{D - \frac{a_2}{2} \sin(\theta)} - \frac{D}{D - \frac{a_1}{2} \sin(\theta)} + \ln \left[\frac{D - \frac{a_2}{2} \sin(\theta)}{D - \frac{a_1}{2} \sin(\theta)} \right] \right] + \frac{\varepsilon V^2 (b-d)}{a \sin^3(\theta)} \left[-\frac{D^2}{D - \frac{a_2}{2} \sin(\theta)} + \frac{D^2}{D - \frac{a_1}{2} \sin(\theta)} + D - \frac{a_2}{2} \sin(\theta) - D + \frac{a_1}{2} \sin(\theta) - 2D \ln \left[\frac{D - \frac{a_2}{2} \sin(\theta)}{D - \frac{a_1}{2} \sin(\theta)} \right] \right]$$



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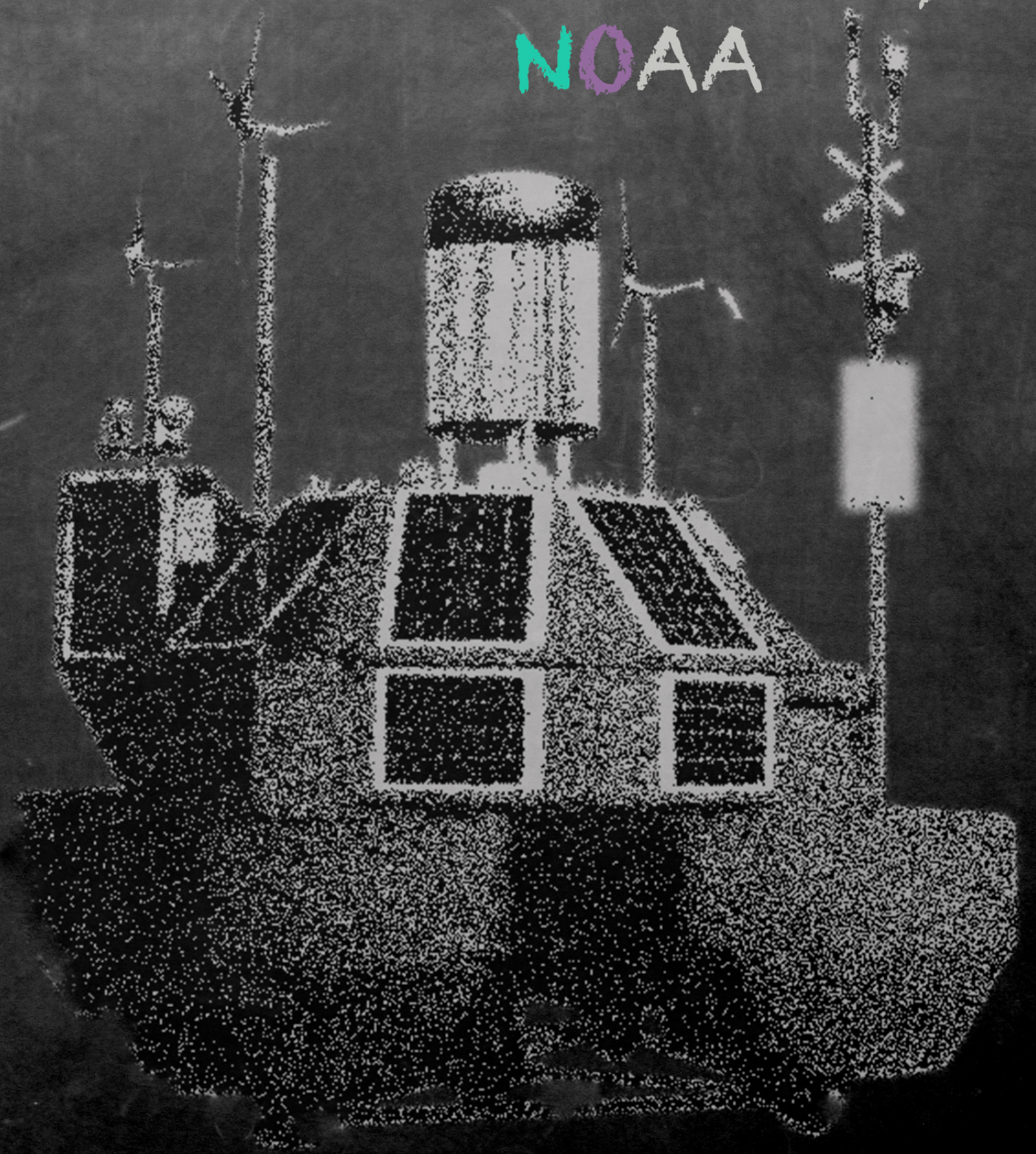


Fig 1. boiae3 POSEIDON II (2kW)