





TITLE	Autonomous Environmental Buoy/Regatta Beacon
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**SHORT DESCRIPTION**

Objective	Design and development of a reconfigurable autonomous buoy/beacon.
Requirements	<ul style="list-style-type: none"> <li>– Support structure for the sensing, control, data logging, communication and power systems;</li> <li>– Control system: high number of inputs, etc.;</li> <li>– Power system: autonomy, weight, size, robustness;</li> <li>– Sensing system: over the top (wind, position, camera) and underwater (temperature, current direction and strength, sonar);</li> <li>– Wireless communication system;</li> <li>– Data logging system: capacity;</li> <li>– Use open source technologies;</li> <li>– Compliant with the 2006/42/CE 2006-05-17, 2005/95/CE 2006-12-2 and ROHS EU Directives.</li> </ul>

**RELEVANT DATA**

Maximum budget:
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