
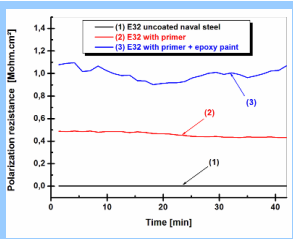
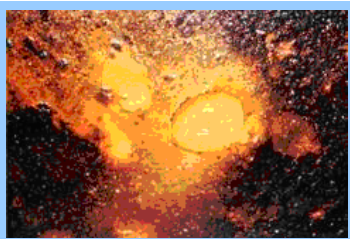


**Competences (Research) Center:
Interfaces - Tribocorrosion and Electrochemical Systems (CC-ITES).**

<p>Offer name:</p>	<p>Assessment of resistance to degradation by corrosion of materials used in the construction of systems operating in the marine environment</p>
<p>Description</p>	<p>Consultancy, expertise, technical assistance and assessment of resistance to degradation by corrosion (corrosion rate) of materials used in various industrial and civil systems that are included in landmarks / subassemblies, structural elements and require operation under the marine environment both onshore and offshore as structural elements, port facilities, infrastructure elements, etc., by various electrochemical methods such as: Open Circuit Potential (OCP), Electrochemical Impedance (EIS) Spectroscopy, Potentiodynamic Polarization (PD), Linear Polarization, Cyclic voltammetry (CV) and Polarization resistance (Rp).</p> <p>Corrosion rate assessment is important to be done on metal structures such as ships, offshore farms, wind farms, and bridges to determine their safe operating life. Due to corrosion, both material and replacement work is lost, which affects the running of the structures in saline</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Fig. 1</p> </div> <div style="text-align: center;">  <p>Fig. 2</p> </div> <div style="text-align: center;">  <p>Fig. 3</p> </div> </div>
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