

cathodic protection

An electrical system for prevention of rust, corrosion, and pitting of steel and iron surfaces in contact with Water, wastewater or soil. A low-voltage current is made to flow through a liquid (water) or a soil in contact with the metal in such a manner that the external electromotive force renders the metal structure cathodic. This concentrates corrosion on auxiliary anodic parts which are deliberately allowed to corrode instead of letting the structure corrode.