

# LIDA Tubular Anodes<sup>®</sup>

## MMO Tubular Anodes

### LIDA<sup>®</sup> Tubular Anodes

Tubular anodes are titanium tubes with a mixed metal oxide coating. The mixed metal oxide is a crystalline, electrically conductive coating that activates the titanium and enables it to function as an anode.

The mixed metal oxide anode has an extremely low consumption rate, measured in terms of milligrams per ampere-year. As a result of this low consumption rate, the tubular dimensions remain nearly constant during the life of the anode — providing a consistently low resistance anode.

Whether operating in soil, freshwater, mud, or seawater, mixed metal oxide coatings demonstrate very high chemical stability — even in environments with very low pH values.

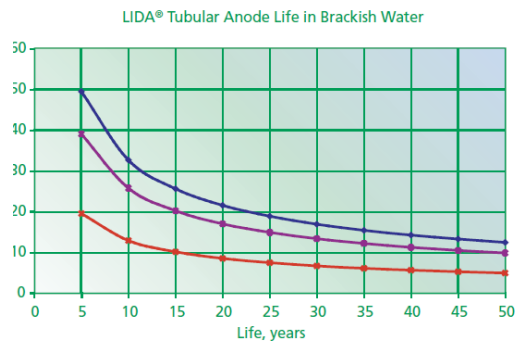
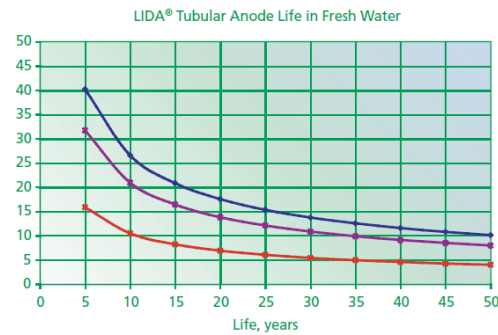
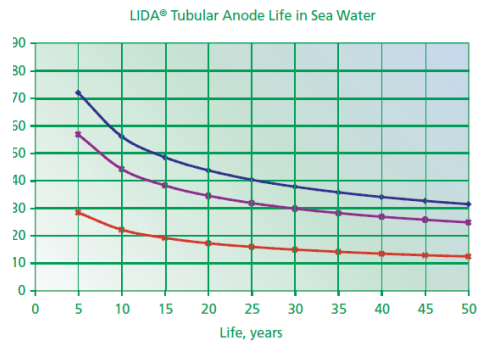
### Applications

- Groundbeds
  - Deep
  - Shallow Vertical
  - Horizontal
  - Open Hole
- Marine
  - Sea Water
  - Brackish Water
  - Mud
- Fresh Water

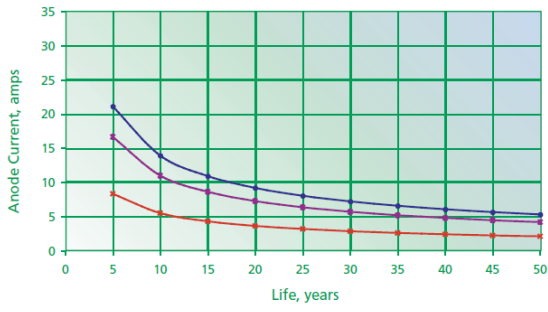
### Benefits

- Dramatically reduces cable costs
- Reduces handling and installation costs
- Lower cost per amp-hr
- Guaranteed electrical contact and moisture seal integrity
- Consistently low resistance anode

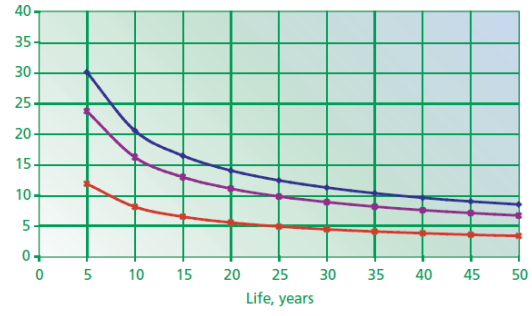
- 2.5 x 50 XL
- 2.5 x 100 XL
- 2.5 x 100 XXL



LIDA® Tubular Anode Life in Mud



LIDA® Tubular Anode Life in Coke



LIDA® Tubular Anode Life in Sand

