

## LIDA® One Anodes

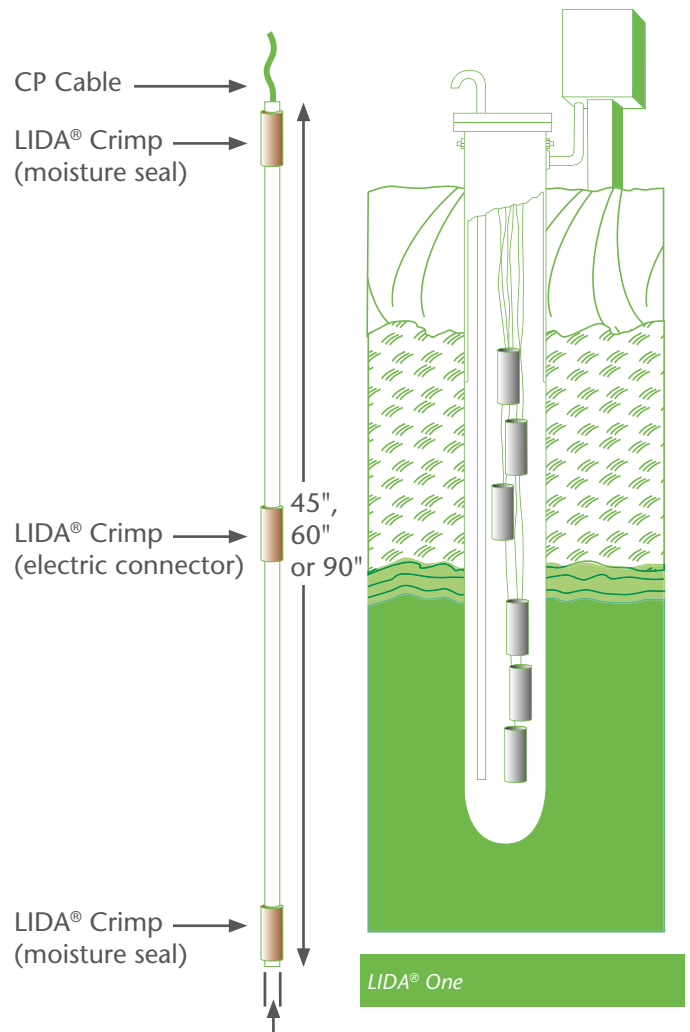
**The “Single Anode” Concept from De Nora**  
**One anode, One cable - It’s that simple.**

**The LIDA® One anodes** are the newest in the family of mixed metal oxide anode products specifically tailored to the cathodic protection of buried structures.

Designed for installations where a single anode on a string is preferred for groundbeds with widely varying soil resistivities, the mixed metal oxide coating is specially formulated for use in carbonaceous backfill.

**LIDA® One** is a 1" diameter titanium tube with a precious metal oxide coating. This mixed metal oxide is a crystalline, electrically-conductive coating that activates the titanium and enables it to function as an anode. When applied on titanium, the coating has an extremely low consumption rate, measured in terms of milligrams per year. As a result of this low consumption rate, the tubular dimensions remain nearly constant during the design life of the anode - providing a consistently low resistance anode.

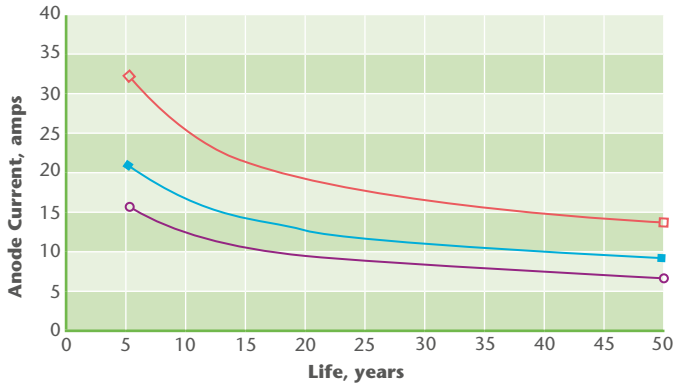
By increasing the length of our tubular anode, yet reducing total current output, De Nora has created another reliable mixed metal oxide anode product line with even greater cost savings over competitive anode technologies. As with all of De Nora mixed metal oxide tubular anodes, the combination of a tough and lightweight product, its ease of handling and installation, the superior mechanical connection, and our five year, no hassle warranty, makes LIDA® One the ONE anode for unparalleled CP performance.



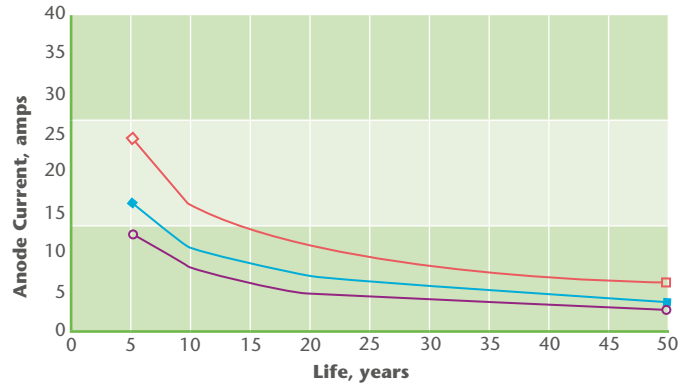
*Underground Pipeline*

Please contact us when operation is expected in waters below 5° C. LIDA TSA™ is a trademark of Industrie De Nora

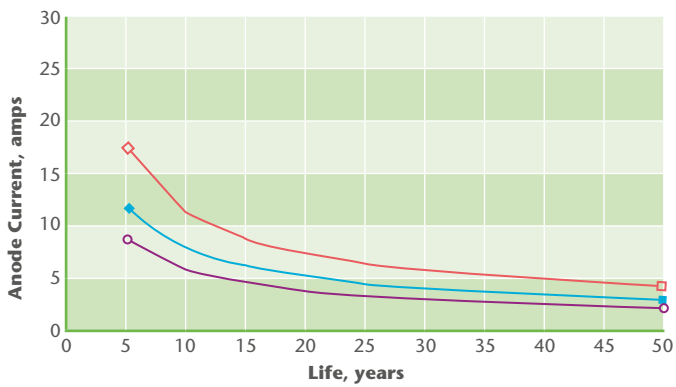
### LIDA® One Anode Life in Sea Water



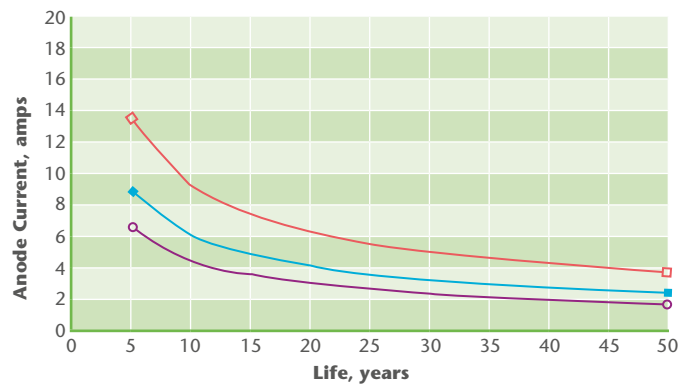
### LIDA® One Anode Life in Mud



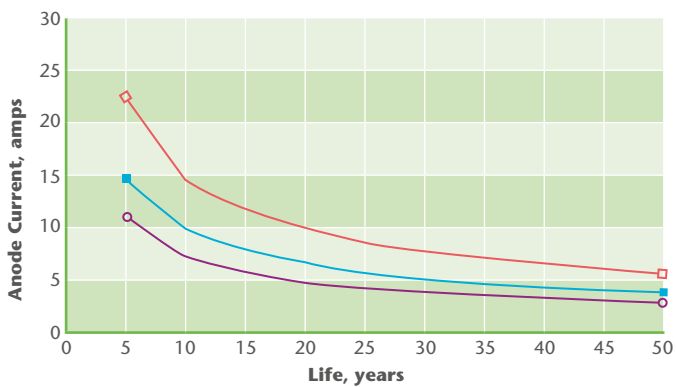
### LIDA® One Anode Life in Fresh Water



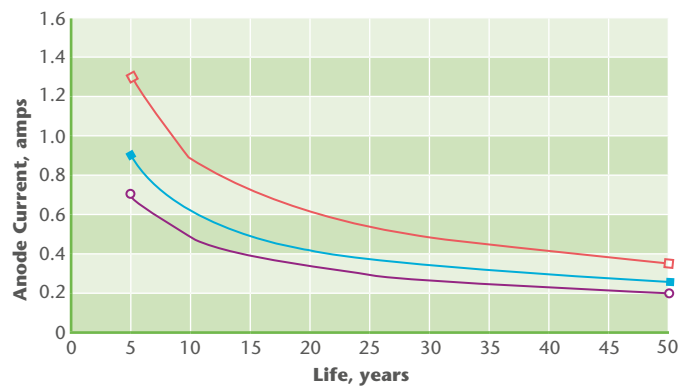
### LIDA® One Anode Life in Coke



### LIDA® One Anode Life in Brackish Water



### LIDA® One Anode Life in Sand



### Maximum Current for LIDA® One Anodes (life in years)

In chloride rich soils or muds, a suitable chlorine resistant cable must be used with the anodes. Please contact us when operation is expected in waters below 5° C.



ELECTROCHEMISTRY AT YOUR SERVICE™

SPECIALTIES & NEW APPLICATIONS

© Copyright 2017 Industrie De Nora S.p.A. - All rights reserved.

De Nora, ON circle, our research - your future, electrochemistry at your service, Stargard® (and any other trademark name) are trademarks or registered trademarks of Industrie De Nora S.p.A. or other companies of the group in Europe and/or other countries. Other trademarks used here in are the registered trademarks of their respective owners.

The information contained herein is offered for use by technically qualified personnel at their discretion and risk without warranty of any kind.