



Corrosion Control in the Oil and Gas Industry

By Sankara Papavinasam



Corrosion Control in the Oil and Gas Industry By Sankara Papavinasam

The effect of corrosion in the oil industry leads to the failure of parts. This failure results in shutting down the plant to clean the facility. The annual cost of corrosion to the oil and gas industry in the United States alone is estimated at \$27 billion (According to NACE International)—leading some to estimate the global annual cost to the oil and gas industry as exceeding \$60 billion. In addition, corrosion commonly causes serious environmental problems, such as spills and releases. An essential resource for all those who are involved in the corrosion management of oil and gas infrastructure, *Corrosion Control in the Oil and Gas Industry* provides engineers and designers with the tools and methods to design and implement comprehensive corrosion-management programs for oil and gas infrastructures. The book addresses all segments of the industry, including production, transmission, storage, refining and distribution.

- Selects cost-effective methods to control corrosion
- Quantitatively measures and estimates corrosion rates
- Treats oil and gas infrastructures as systems in order to avoid the impacts that changes to one segment if a corrosion management program may have on others
- Provides a gateway to more than 1,000 industry best practices and international standards

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Editorial Review

Review

"An essential resource for all those who are involved in the corrosion management of oil and gas infrastructure...provides engineers and designers with the tools and methods to design and implement comprehensive corrosion-management programs for oil and gas infrastructures...addresses all segments of the industry, including production, transmission, storage, refining and distribution."--Rivista Italiana della Saldatura, May-June 2014

About the Author

Dr. Papavinasam is President of CorrMagnet Consulting Inc. He has 20 years of experience in the oil and gas industry. He has led several joint industry projects with more than 50 companies developing new corrosion solutions and insights to manage internal corrosion, microbiologically influenced corrosion, and external corrosion of oil and gas industry. He has published over 100 papers, contributed to 5 book chapters, developed 3 software products, and received 2 patents.

Users Review

From reader reviews:

Dora Bair:

Spent a free the perfect time to be fun activity to perform! A lot of people spent their sparetime with their family, or their friends. Usually they doing activity like watching television, likely to beach, or picnic within the park. They actually doing same thing every week. Do you feel it? Do you need to something different to fill your own free time/ holiday? May be reading a book might be option to fill your no cost time/ holiday. The first thing that you will ask may be what kinds of publication that you should read. If you want to consider look for book, may be the publication untitled Corrosion Control in the Oil and Gas Industry can be very good book to read. May be it can be best activity to you.

Helen Samuel:

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Hilda Dolan:

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