

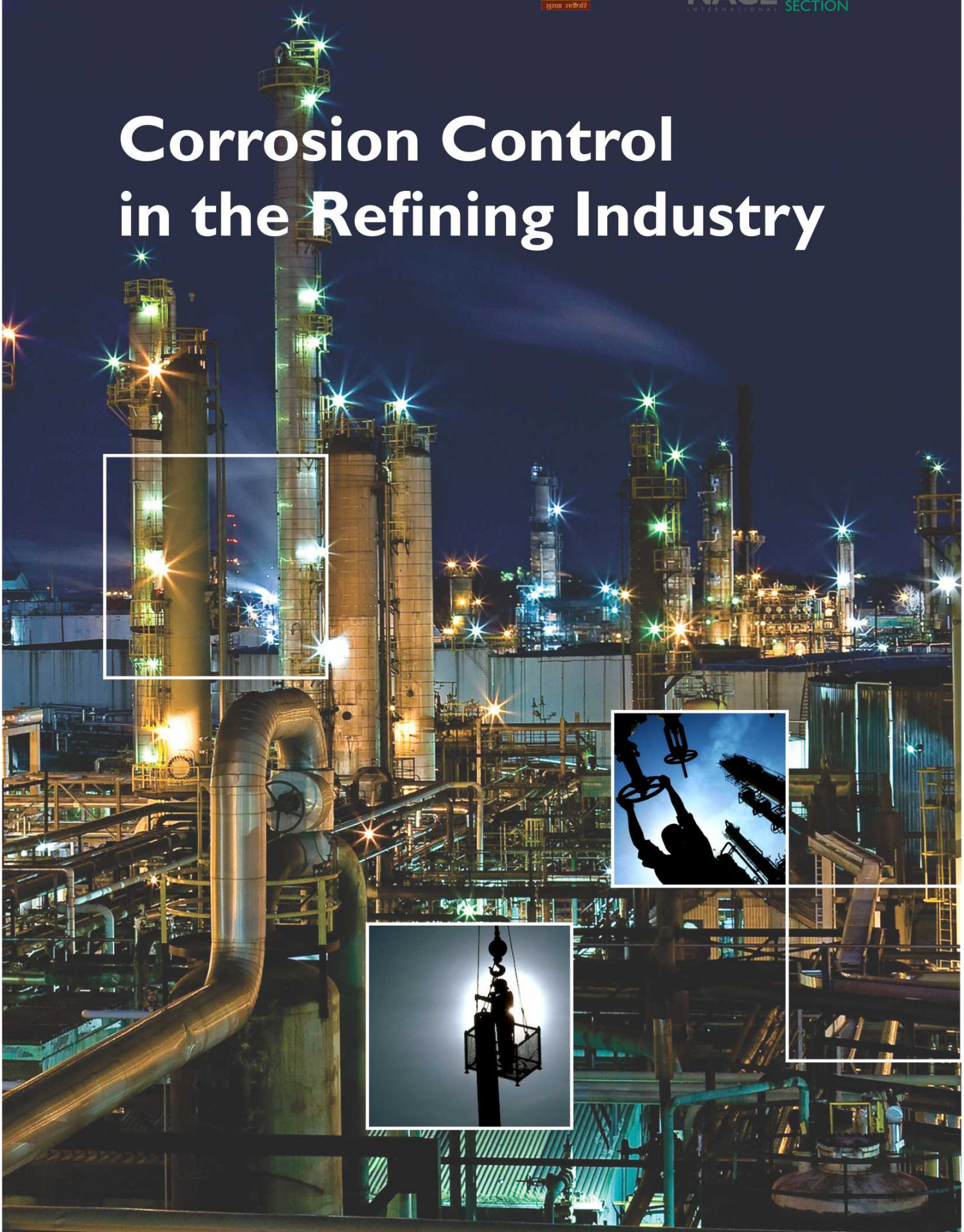
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Corrosion Control in the Refining Industry



Corrosion costs the Refining Industry \$ 3.7 billion annually.

Learn how you can control it !

Corrosion Control in the Refining Industry

An industry-exclusive course only offered through NACE International Gateway India Section as it provides an in-depth analysis of refinery process units and specific process descriptions.

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Who Should Attend?

- Design engineers
- Process engineers
- Procurement agents
- Maintenance planners
- Service company representatives who support refineries
- Corrosion and equipment engineers
- Metallurgists
- Inspectors
- Inspection supervisors

Why Attend?

- Advance your current understanding of corrosion as it applies to the refining industry
- Gain insightful knowledge from REFIN•COR software, an on-the-job resource and an industry exclusive from NACE International
- Examine and identify metallurgical problems that occur in process units

The Corrosion Control in the Refining Industry course provides an overview of refinery process units and specific process descriptions. It also focuses on the examination and identification of metallurgical problems that occur in process units. Students receive REFIN - COR software, which is a database of experiences, problems, and solutions encountered by refining industry corrosion engineers and includes minutes from the NACE Committee TEG 205X (formerly T-8) meeting on Refining Industry Corrosion from 1957 through 2011. This valuable information can be used on-the-job and cannot be found anywhere else.



Reference materials included with course registration fees

Students receive the following materials on site:

- Corrosion Control in the Refining Industry Manual / CD
- REFIN-COR software subscription
- NACE membership (for Non-member)

5 Day Classroom Course

Day 1-4: 9:00 am to 05:00 pm

Day 5: 9:00 am to 12:00 noon,
unless otherwise noted

Prerequisites: None

Registration Fees

Indian Student

Member: Rs. 1,35,000/-, Non-member: Rs. 1,45,000/-

Overseas Student

Member: US \$ 2200/-, Non-member: US \$ 2350/-

Course Highlights

1. Refinery corrosion
2. Materials of construction for refinery applications
3. Refinery operations and its interactions with corrosion
4. Refinery Units/Processes
 - Corrosion and other failures
 - Crude distillation/desalting
 - Fluid catalytic cracking unit
 - Cracked light ends recovery units
 - Hydrofluoric acid alkylation units
 - Sulfuric acid alkylation units
 - Hydroprocessing units
 - Catalytic reforming
 - Delayed coking units
 - Amine units
 - Sulfur recovery units
5. Corrosion monitoring methods in refineries

Registration fees and registration form should be received before 30 days prior to start date of course. On payment of course fees, enrollment is as on first-come-first-enroll basis for limited seats only. The Fee is to be paid through cross Demand Draft / Cheque / ECS in favour of "NACE International India Section" payable at Mumbai. Wire Transfer facility is also available.



National Association of Corrosion Engineers (NACE) was founded by eleven corrosion engineers in Houston, Texas USA in 1943 and renamed as NACE International, The Corrosion Society in 1993. It is recognized around the world as the premier authority for corrosion control solutions. Built upon more than six decades of knowledge and expertise from dedicated members all over the world, NACE International is involved in every industry and area of corrosion prevention and control from chemical processing and water systems to transportation and infrastructure protection. NACE International has four areas in North America and four international areas. Over 110 sections within these areas sponsor local programmes to promote the exchange of corrosion information throughout the world. With more than 34,000 members from over 115 countries, NACE International has more than 350 technical committees covering the entire gamut of applications related to corrosion and its control. NACE international endeavors to achieve its mission of protecting people, assets and the environment from corrosion by publication of standards/recommended practices, reports, books, organization of education training programmes and annual conferences.



Established in 1992, NACE International Gateway India Section (NIGIS) has become one of the largest and most active sections of NACE International through its significant efforts for the promotion of corrosion awareness in India. It has done this by organizing annual conferences/seminars as well as education programmes and workshops on a regular basis. NIGIS is committed to promote NACE International's mission in India through its expanding membership and activities. With more than 1150 members, NIGIS has organized over 100 CIP Level 1, 2 & Peer Review, CIP 2 Emphasis, Nuclear course, Refinery Corrosion and CP 1, 2 & 3 certification courses of NACE International besides hosting 20 annual conferences. NIGIS recognizes that it must encourage the growth of corrosion science not only as a subject but also as a career through the development of professionals associated with it. To this end, NIGIS started the initiative of 'Corrosion Awareness Day'. To commemorate Corrosion Awareness Day, NIGIS presents awards to individuals and institutions for their contributions to corrosion awareness and developments in the field of corrosion science and technology. NIGIS sponsors two student chapters, one each in Mumbai and Chennai / Kalpakkam.



Other Certification Courses

- Coating Inspector Program (Levels 1,2 and Peer Review)
- Cathodic Protection Program (Levels 1, 2 and 3)
- Corrosion Control in the Refining Industry
- Nuclear Power Plant Training for Coating Inspectors
- Offshore Corrosion Assessment Training
- Shipboard Corrosion Assessment Training
- Direct Assessment
- Protective Coating Specialist (Levels 1, 2 and 3)
- Basic Corrosion



NACE International Gateway India Section
305-A Galleria, Hiranandani Gardens,
Powai, Mumbai 400 076 India
Tel.: +91-22-25797930, 25797354,
Fax: +91-22-66921572
E-mail: nace@mtnl.net.in • info@corcon.org
www.corcon.org • www.naceindia.org

NACE International HQ
15835 Park Ten Place,
Houston, TX 77084, USA
Tel: +1 281-228-6200
www.nace.org

