

**NACE Founding Singapore Section
Technical Dinner Meeting**



Laboratory Corrosion and Coating Tests for Oil and Gas Industry

- Date** **Wednesday, 12 November 2014**
6:30-8:30pm, light dinner provided
- Venue** DNV GL Laboratory, Auditorium
158A Gul Circle, Singapore 629616
Transport from MRT complimentary (see schedule)
- Registration** Complimentary (NACE and CAS members) and \$5 (non-members)
- New members can sign up to be eligible.
- RSVP** Register your attendance at nacesingapore@gmail.com by 1 November 2014

Schedule

6.20pm	Transport pick-up from Joo Koon MRT (Exit A, Taxi Stand) to DNV GL Laboratory.
6.30pm	Arrival at DNV GL Laboratory. Talk Registration and Dinner.
7.15pm	Laboratory and Facilities Tour; Technical Talk.
8.30pm	Transport pick up from DNV GL Laboratory to Joo Koon MRT.

Synopsis of Technical Talk

Corrosion is one of the major causes of asset degradation that causes significant HSE and economic risk to industry. These risks are more critical in the oil & gas industry where corrosive environments are common. Selection of appropriate materials, use of suitable coatings and a compatible CP system are three approaches recognized in the industry to combat corrosion. Laboratory testing provides a reliable way to evaluate the material and environment and is increasingly used in the development of quality control methods, specification compliance, materials selection and research.

This technical talk will commence with a general introduction of DNV GL Laboratory services then an in-depth description of standardised and customized corrosion and coating tests requested in the oil and gas industry referencing applicable industrial standards, testing objectives, methodology and evaluation processes. The talk will conclude with some corrosion related failure cases experienced in their laboratory work by the laboratory expert. In summary the agenda of the presentation is:

- An Introduction to DNV GL Laboratory Services
- Corrosion and Sour Service Tests of engineering materials
- Qualification Test of line pipe and marine coating
- Corrosion Related Failure Case Studies

This is an excellent opportunity to gain in-depth knowledge on corrosion and coating with associated testing experiences shared by the laboratory specialists.

About DNV GL Laboratory

As one of DNV GL advisory units, Singapore Laboratory provides a broad range of laboratory and site services to help industries address technical challenge from microstructure to mega-structure. Since its establishment in 1984, the Laboratory is NATA and SAC-SINGLAS accredited to ISO/IEC 17025 and has built trust and reputation for over three decades. Today, Singapore Laboratory is well recognized as the largest independent laboratory service provider in South-East Asia with state-of-the-art facilities and highly competent technical professionals.