Membership benefits

Our member programmes and networks within corrosion is a founding piece of our good relations with the industry sector. By gathering different players with interests in the same research area, we are able to find efficient solutions to joint challenges. Many research projects are initiated through collaborative membership programmes.

Institut de la Corrosion
French Corrosion Institute

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The member programmes and the networks engage each in total more than a hundred companies, large and small, from different sectors, industries and countries. Joining means increased possibilities, expanded network and access to the recent updates on knowledge and know-how.

Want to become a member? Contact the person responsible for the membership programme/network you are intrested in.

Member Research Consortia (MRC)

Automotive corrosion

Within the MRC we study and analyze corrosion of various types of materials to improve and develop solutions that lead to greater sustainability and competitiveness in the automotive industry.

Bo Rendahl, bo.rendahl@swerea.se

Aerospace

Within the MRC we focus on corrosion and corrosion protection for Aerospace. We work with research and development, testing and evaluation of materials for use in aerospace applications.

Dominique Thierry, dominique.thierry@institut-corrosion.fr

Coil coating

In this MRC, we are working to better understand and disseminate knowledge about coil-coated products. Besides providing a unique platform for regular meetings, exchange of knowledge and experience and discussions, the MRC sponsors several research programs.

Dominique Thierry, dominique.thierry@institut-corrosion.fr

Corrosion in pulp and paper industry

Materials in the production process of this industry are generally exposed to a very corrosive environment. This MRC program deals with issues linked to minimize the corrosion problems in the pulp and paper industry, by experience collection, research projects and consulting.

Magnus Nordling, magnus.nordling@swerea.se

Corrosion in oil and gas production

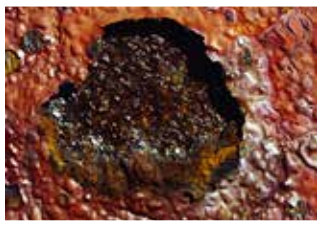
Within the member program, we work with research and development, testing and evaluation of polymers and metals for use in oil and gas applications. Several studies proposed by the members are ongoing with a specific focus on the test methodologies and evaluation of the resistance of materials in H_2S containing environments.

Christophe Mendibide, christophe.mendibide@institut-corrosion.fr

Corrosion test methods

Testing the corrosion resistance of materials is an important requirement when selecting materials, protection and design of a structure. In addition, corrosion monitoring techniques provide direct and online measurement of metal loss/corrosion rate in real environments.

Nathalie LeBozec, nathalie.lebozec@institut-corrosion.fr



Corrosion protection

Within the member program we work with various methods of corrosion protection, such as organic and inorganic coatings, cathodic protection, temporary corrosion protection as well as studying the effects of changes in operating environments.

Lena Sjögren, lena.sjogren@swerea.se

Marine corrosion

The MRC Marine Corrosion is aimed at those with an interest in the corrosion resistance of materials used for seawater applications. Together we test the limits of applications for given materials and design solutions for corrosion protection.

Nicolas Larché, nicolas.larche@institut-corrosion.fr

Wet corrosion

A program with a focus on the development of methods for corrosion measurements of metallic materials in liquids. Member companies include manufacturers of materials, manufacturing industries and end users.

Annika Talus, annika.talus@swerea.se

Corrosion and corrosion protection in the aerospace industry

In this MRC the corrosion and corrosion protection of materials used in the aerospace industry are studied. There is particular focus to design reproducible and robust corrosion testing procedures for new aluminum alloys and new surface finishes.

Dominique Thierry, dominique.thierry@institut-corrosion.fr

Corrosion properties of polymers

The work of the program aims at building up corrosion science for polymeric materials, analogous to that of metals, to create “true” relevant corrosion and permeation resistance data, i.e. data which can be used to obtain reliable designs with respect to corrosion of polymeric materials.

Karin Jacobson, karin.jacobson@swerea.se

Networks

ICP materials

The international co-operative program on effects on materials including historic and cultural monuments (ICP Materials) started in 1987 and is co-ordinated by Swerea KIMAB. It is focused on the effects of different air pollutants on atmospheric corrosion of a diverse range of metallic and non-metallic materials.

Johan Tidblad
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Corrosion network for combustion plants

This network is aimed for companies that own, operate, construct or are involved in the service of a combustion plants. The conditions for corrosion vary greatly from plant to plant, but by sharing knowledge and experience the corrosion problems in combustion plants can be minimized.

Magnus Nordling
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Protection of electronics in harsh environments

The network offers exchange of experience between manufacturers of electronics, end-users, sub-suppliers, contract manufacturers and more. The network is administrated by Swerea KIMAB.

Lena Sjögren
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Materials in contact with drinking water

The network consists of material and product manufacturers, industry associations, water distributors, government agencies and researchers. It caters to both manufacturers and users of materials.

Dinko Lukes
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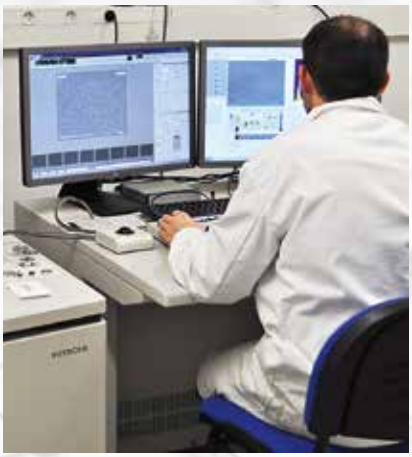

Industrial benefit on a scientific foundation

Swerea KIMAB and Institut de la Corrosion develops and improves holistic solutions within materials and corrosion research.

Our strength is applied research with customer benefit in focus.

As a strategic R&D partner within materials technology and corrosion, our mission is to contribute to the competitive strength of our clients and to develop new materials and product solutions within areas such as transport, energy, environment and infrastructure. One of our strengths is that we are able to verify results from simulation and modelling work, experimentally in our own premises.

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