



# Introducing suicorr AG

**suicorr is a leading provider of corrosion protection consultancy services as well as in the application of cathodic protection measures.**

**There are several approaches to fighting corrosion. In addition to traditional prevention consultancy services, suicorr also offers active prevention in the form of cathodic protection (CP).**

**Our team has more than 40 years of personal experience in this field. We can therefore draw on a real depth of knowledge in all application areas.**

**reinforced concrete construction**

**underground structures**

**sanitary engineering**

'Rust', as corrosion is commonly known, is found everywhere and is part of our everyday life. The global cost of corrosion is in the region of 3.3 billion US dollars annually. This represents approximately 3% of gross domestic product in most industrial countries (ref. Hays, 2011) and affects almost every industrial sector. The construction industry in Central Europe has also not been spared from problems caused by corrosion.

suicorr AG offers two services for applications in underground structures (pipes, tanks, etc.), sanitary engineering and reinforced concrete:

## **Consultancy services**

We specialise in compiling a tailor-made, preventive advisory package.

### **The advantages for you:**

- A total concept for corrosion protection and protecting people
- Increased operating life
- Reduced maintenance costs
- Increased operational safety

## **Project management/Installation/Maintenance of corrosion protection solutions**

Cathodic protection (CP) employs a sacrificial anode made of a base metal alloy that corrodes, generating the required protective current to ensure the metal to be protected does not corrode.

### **The advantages for you:**

- Can be used at almost any point during the construction phase
- Short project times
- Sustainable solutions and extended residual useful life
- Reduced maintenance costs
- Ecologically compatible



### **Reinforced concrete construction**

Reinforced concrete structures can be compromised if corrosion occurs in the reinforcement. This is frequently caused by poorly processed concrete, inadequate concrete cover or exposure to chloride ions.

If no preventative measures have been taken to protect the reinforced concrete structure, the reinforcement will corrode over time. Cathodic protection (CP) offers economical and effective corrosion protection for reinforcements embedded in concrete.



### **Underground structures**

Visual inspection of underground structures such as tanks or pipelines for the appearance of corrosion is an extremely expensive undertaking. Steel pipes with longitudinal conductivity can be provided with cathodic protection in order to increase corrosion resistance.

Monitoring the protection plays a vital role here as it also allows the pipeline operator to locate breaks in the coating and rectify them in good time.



### **Sanitary engineering**

Reservoirs are an important part of the infrastructure facilities that supply drinking water to the population. The majority are made from concrete as this material is exceptionally well suited to receiving and storing drinking water without having a negative effect on its taste or composition. However, experience shows that brown patches can occur on clean mortar surfaces in tanks after only a few years of use. This can be due to so-called ionic currents. Cathodic protection equipment provides an economical and sustainable option for overcoming this problem.

Corrosion protection is also a very important consideration in pumping stations or waste water treatment plants. Combining a tailor-made corrosion protection concept with an active corrosion protection system extends the operating life of all structures and optimises the associated maintenance costs.

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