

# CORROSION-PROTECTION

DEVELOPMENT  
& VALIDATION



**YOUR GLOBAL MOBILITY  
ENGINEERING EXPERTS**

## Why?

„Corrosion is the reaction of a metallic material with its environment, which causes a measurable change in the material (**corrosion phenomenon**) and can lead to impairment of the function of a component or an entire system (**corrosion damage**).“ (DIN EN ISO 8044). According to the WCO (World Corrosion Organization), industrialized countries suffer damage amounting to more than 3 % of their gross domestic product each year, which means more than € 107 billion (as of 2021) for Germany only.



These damages can be reduced to a minimum by the right **choice of materials**, a **corrosion-protective design** and **suitable coating systems**.

Future developments will lead to lightweight designs with the use of **lightweight materials** and **composites**. This leads to changed demands and new challenges in corrosion protection. **EDAG Engineering GmbH** is also a competent partner for this, who is at your side in all questions concerning corrosion.

## Our portfolio at a glance

- Creation of corrosion protection standards
- Benchmark, target definition
- Selection of material and surfaces
- Implementation of constructive corrosion protection
- Simulation of stone chip load
- Definition of cavity preservation, stone chip protection measures and underbody protection
- Execution and evaluation of corrosion tests on components and complete vehicles

## Everything from one source



Would you like to know how we can help you being successful?

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