



PCF AND AAS - EMPOWERING SUSTAINABILITY AND THE DIGITAL PRODUCT PASSPORT

The Use Case is implemented for our sustainable “green” products. It shows how sustainability data seamlessly integrates into the Asset Administration Shell, paving the way for the future Digital Product Passport. As we grow our „green“ product range, this initiative underscores our dedication to a sustainable future. Our mission is to empower our customers to make informed and sustainable decisions.

USE CASE LEAD



MOTIVATION

Sustainability is not just a buzzword; it's a vital commitment to our planet's future. As the significance of sustainability information grows, especially with the advent of the Digital Product Passport, we are dedicated to leading the way. To empower our customers with the knowledge they need and to showcase the practical implementation of these crucial insights, we have not just prepared a demonstrator for the fair but a working solution that is available for the first defined products.

THE ROLE OF THE OI4

The OI4 Alliance supports this use case by integrating sustainability data into the Asset Administration Shell (AAS), in line with the Digital Product Passport. This promotes transparency, interoperability, and empowers companies to make sustainable choices, building trust and efficiency across the supply chain

VALUE PROPOSITION

Our Use Case provides sustainability data in both human-readable and standardized machine-readable formats, delivering dual benefits to our customers. First, it empowers them to make sustainable decisions confidently. Second, it harnesses the power of standard interfaces and automation capabilities, streamlining processes and enhancing efficiency. In addition, it promotes transparency throughout the entire supply chain, thereby building trust and confidence with customers and partners.

AAS SUBMODELS USED

DIGITAL NAMEPLATE/ CARBON FOOTPRINT/
TECHNICAL DATA / ARTICLE INFO / CONTACT
INFO / MCAD / ELECTRICAL&FLUIDCAD

PHASE OF ASSET LIFE-CYCLE

ENGINEERING