

Use Case Digital Nameplate



One scan avoids 100 tons of waste

- Quick access to documents
- Manufacturer-independent standard according to DIN SPEC 91406
- Worldwide in local language and with local certificates
- No printing and logistics costs
- Resource-saving renunciation of paper documentation

The digital nameplate displays all product information digitally. It offers documentation, safety instructions in the local language and extended product services. The digital nameplate can be updated at any time and avoids large quantities of analogue, printed documents.

With the AAS to the Digital Product Passport

The technological basis of the application across all users and manufacturers is the Asset Administration Shell (AAS) and the Digital Twin. The AAS and the associated submodels provide a uniform semantic description of the necessary information. The AAS is an open, technology-independent standard. The structure of the AAS allows modular expansion and thus great scaling possibilities, up to a holistic Digital Product Passport.



Digital access to all information and certificates of the device

In practice, an integrated QR code - or RFID chip - makes the nameplate digital. Where previously an analogue, human-readable nameplate provided some core information, with the digital nameplate a simple scan of the code via smartphone opens up access to all the device's information and certificates.

The digital nameplate is the solution to the challenge of manufacturers to transport the growing amount of basic information for the product in accordance with global labeling requirements, user-friendly and legally secure to the customer.

Once analogue nameplate information has been supplied, it is rarely updated. Masses of printed documentation supplied for the same products are thrown away. In contrast, the digital nameplate can be updated at any time if changes are made to the product or software is updated during maintenance work.

A complete digitalization of paper documentation means a great increase in profitability and is resourcesaving. For example, two euros can be saved per manual that is no longer needed. With 400,000 devices, this means an improvement in earnings of 800,000 euros. In addition, the CO2 footprint is reduced by avoiding printing, transport and disposal.

Further information:

Web-Frontend Demonstrator Digital Nameplate: http://www.i40-aas.de/

Lenze

SIEMENS

Ingenuity for life

ZVEI recommendation Digital nameplate: https://www.zvei.org/presse-medien/publikationen/zveiempfehlung-das-digitale-typenschild



Participating Organizations:



IPHŒNIX CONTAC







