

PRESS RELEASE

IMS Messsysteme GmbH's User Software Wins Red Dot Design Award in Category "Interface Design"

26th November, 2021

Sonja Koch

Dipl. Engineer (FH)

+49 2056 975-228

MEVIweb, the freely configurable and customisable web-based Human Machine Interface (HMI) with outstanding user experience

sonja.koch@ims-gmbh.de



Caption:

Red Dot Design Winner 2021: MEVIweb, the proprietary control and regulation software from IMS Messsysteme GmbH

- MEVIweb, the logical progression of the well-known automation system MEVInet
- Measurement, control, regulation, visualisation and quality management based on new software and hardware technologies
- Programming with modules according to IEC 61131 of the system logi.CAD
- Standardised operating system and interfaces

The impressive performance of all IMS measuring systems is not only determined by their reliable functionality, consistently accurate measurement results and remarkable service life. Another important factor for the success of the radiometric and optical measuring systems from the world market leader in Heiligenhaus is its exceptionally user-friendly control software MEVIweb.

MEVIweb is the logical successor of the well-known automation system MEVInet used so far. Developed by IMS, this new Human Machine Interface is based on the latest technology standards and focuses on the user and his individual requirements at all times.

The newly developed control and regulation software is freely configurable and thus a software solution that can be adapted individually to different users and measuring systems. For example, an HMI editor allows IMS Service to program the human-machine interface specifically for the customer and measuring system. Operators of the measuring systems are given a clear overview of the system's most important data at all times.

Thanks to the modern information design and clear visual feedback of status, the user has a precise overview of the status of the individual systems and can evaluate the extensive amounts of data quickly and easily. In addition, a fold-out control panel provides direct access to basic system functions so that the user can respond immediately to a changing system status.

As an automation system of the latest generation, MEVIweb performs the following tasks using the latest software and hardware technologies:

- Measurement
- Control
- Regulation
- Visualisation
- Quality management

In addition to precise measurement technology, particular emphasis was placed during development on diagnostic and maintenance support including the possibility of remote

diagnosis. The interface is programmed with modules according to IEC 61131 of the system logi.CAD, using standardised operating systems and interfaces.

The usability, which was recognised with the Red Dot Design Award 2021, is characterised by:

- Use of the latest technologies (JavaScript, NodeJS, HTML5, CSS, JSON)
- Open communication with standardised, non-proprietary interfaces
- Large test coverage with unit tests, integration tests and simulation
- Scalability
- Platform independence (reduction of dependencies)
- Standardised configuration tools & improved user experience
- Configuration via the web
- Use of smartphones and tablets is possible
- Modern appearance with different, customisable themes
- Clearly structured, user-friendly interface
- Extended functionality