



I|E|L

Innovative Elektronik Lösungen

On-site and everywhere: Smart control of complex systems

embedded|webGUI 

the all-in-one web-based user interface
for embedded systems



Building automation

Industrial control

Swimming pool control

Weighing systems

Measuring technology

Water treatment

Dosing systems

Control systems

Full control: Always and everywhere

In modern electronic systems, remote access is a central requirement. The embedded/webGUI by IEL is a unique platform for the development of high quality graphical user interfaces. Full remote access is always included.

Full transparent remote access

Our platform uses web technologies. Remote access from the Internet or a local network is always included immediately and without additional development effort. In remote access, you use the same comfortable and familiar user interface as on the control unit on-site. You can very flexibly decide which features are allowed in remote access.

Robust control unit

Our systems are commonly used in rough environments and comply with protection class IP65 (dust-tight and water jet proof). Maximum operational safety and reliability in continuous use under harsh conditions is a must. Type and construction of the housing depend on the requirements of the particular application and can be designed in many ways.



Always easy: one uniform user interface

Maximum flexibility of the menu structure, contents and graphic design

Menu structures and contents are defined in tables and can quickly and easily be adjusted for almost any application. Also the attractive screen design can easily and flexibly be modified. The basic package already contains a large set of menus and objects for the display and entry of different parameter types. This also includes icon-style menus as known from modern smartphones and a high-quality measurement graph. Application specific screen menus can be added anytime.



For all types of web-enabled devices

Remote access is carried out completely platform-independent with a web browser and is possible with every modern web-enabled mobile device or stationary system.





IEL

Innovative Elektronik Lösungen

Wir regeln das!



Dipl.-Ing. (TU) Michael Schäfer,
Managing Director IEL

Complete system solutions from one source ✓

„Hardware, software, mechanics, documentation - We offer you innovative system solutions from a single source. You define the requirements, we implement your desired system very flexibly and individually. From development to production. Whether automation technology for private swimming pools or industrial control: We have more than 40 years of practical experience in a variety of application areas. Comprehensive skills, compact structures and motivated employees guarantee maximum flexibility and the realization of your wishes in great detail.“



In-house development and production ✓

In most cases, the systems developed by us are also produced at IEL. All test procedures can be optimized to ensure maximum quality. Our Production capacities allow for the serial production of several thousand systems per year as well as for the production of small series.

Modular platform concepts ✓

Our system solutions are based on existing and practice-proven modular platform concepts developed in-house. The modularity starts from the hardware and continues in the software and the graphical user interface. Also the embedded webGUI follows a strict concept of modular building blocks. Menu pages are made up of always recurring menu objects. Each menu object has its own appropriate data model in addition to its on-screen visualization. Our platform concepts provide, amongst others, the following features: Rugged touchscreen solutions (also for plastic housings) • Flexible network and interface concepts • Comfortable and safe solutions for firmware updates • Robust hardware and software design for maximum reliability.



**IEL at the
embedded world 2014
Halle 5 - Stand 181**

25. - 27. 2. 2014, Nuremberg, Germany



IEL Elektronik-Systeme GmbH

Auf der Gewinn 13
35625 Hüttenberg

Phone: +49 6441 7839-0
Fax: +49 6441 7839-20
mail@ielgmbh.de
www.ielgmbh.de