

Service:

## IoT Service

Custom solutions

### Initial conversation at no charge



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Can you imagine retrofitting sensors in your system, capturing signals for further processing, connecting self-contained systems to each other or incorporating additional actuators? No problem! And if needed we can also implement monitoring and recording of data points, creating application-specific visualizations or sending alarms for defined events. In addition we offer the ability to link with commonly used clouds and to create self-contained automation processes.

### Agile IoT service: Know-how and the right components

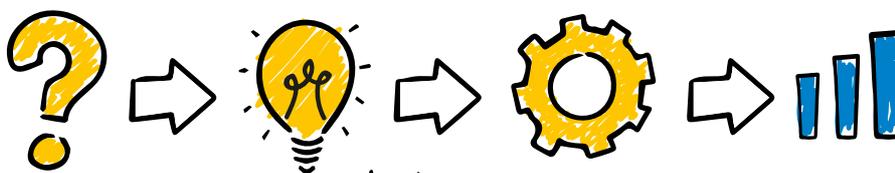
Our IoT Service offers consulting, development and programming services in the areas of switching, signaling, automation, visualization, analysis and of course the linking of any types of data points. With over 20 years of experience with Industry 4.0 and the Internet of Things, our development department is optimally equipped for implementing your vision. Our versatile range of Web-I/Os, web sensors, edge computers, network technology and interfaces means we always have the right components for your application. So that we can realize your project flexibly and quickly.

### IoT Consulting

You have the vision, we bring the experience: Describe your goals and we will handle feasibility and the needed resources. When analyzing the basic conditions, we clarify not only aspects such as the desired processes and involved interfaces, but also the type and purpose of data communication. Above all we verify compatibility with your existing systems and processes, select a variety of supplementary components when necessary, and estimate the needed programming effort. If you like, we can then start on the path of implementation.

### Development and Programming Service

Following analysis, compatibility checking and cost estimation, we work closely with you to develop a custom solution. Depending on the requirements of your project, a test installation on-site or a proof-of-concept may be helpful before detailed planning begins. And by the way, at W&T hardware development, software programming and consulting as part of IoT Service is all under one roof - which means we can be truly agile when it comes to implementation.



### From individualized automation to Industry 4.0 application,

W&T connects virtually everything: machines to machines (m2m), old and new (retrofit) and, thanks to long years of experience as a provider of interface technology, components from a variety of manufacturers. We cover the field of

sequence and process automation not only in industry, but also in many different areas including electronic and building engineering (controlling of light, doors, climate, etc.), commerce and leisure time (e.g. access control and people count) and office (digitalization/optimization of processes).

Here we use proven web technologies such as:

- HTML, CSS, JS, TS, PHP, JSON, Node-RED
- C/C++, C#, Golang

For communication within your application and integration into larger IoT, SCADA-, MES- and NMS systems a wide range of general and specific industry protocols are available:

- Modbus TCP, Modbus RTU
- OPC UA, OPC DA
- MQTT
- REST
- SNMP

For archiving your application data you can also use our service to select the appropriate database, such as

- MySQL, MariaDB
- SQLite
- Desired database

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## More links

Service:



**IoT Service**  
**Process & Costs**

From your idea to the finished solution

Support

**Could you use some assistance?**  
**No charge initial conversation**

You can reach our IoT experts at +49 202/2680-110



We are available to you in person:

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