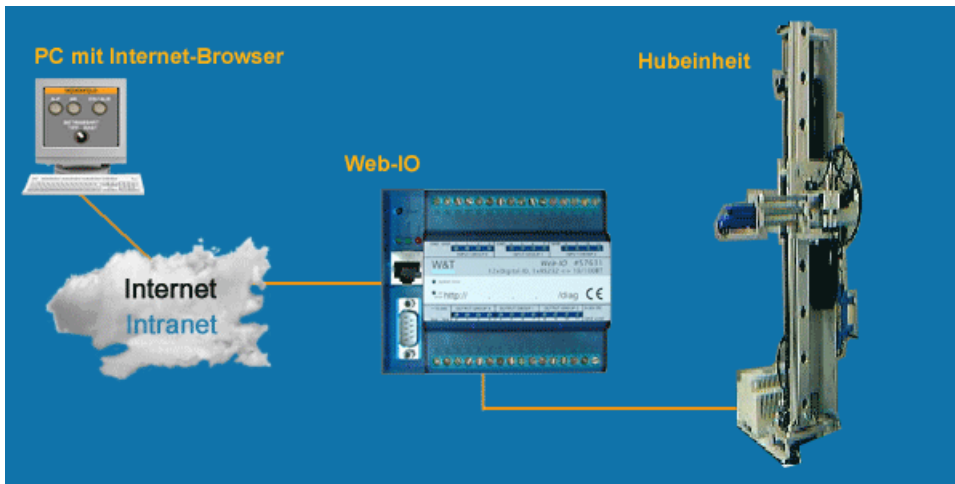


Application for Web-IO Digital:

Controlling a lift over the Internet

Product overview

Application overview



The application

The Technical University of Dusseldorf has made a Web-IO available over the Internet as part of its Tele-Laboratory. After registering and requesting an access password, you can control a lift connected to this Web-IO from your browser. By means of a webcam the user can follow the effect on the system in real-time.

Interested professionals are also given the opportunity to control the system using their own JavaScripts.

The details

<p>1. First go to the site of the Tele-Laboratory http://control-net.fh-duesseldorf.de/dt/index.asp. At the bottom of the page you can request a login authorization. You will receive the necessary login data via e-mail.</p>	
<p>2. Logging in under <i>Lift with Lean Web Automation</i> takes you first to a Web page which explains how the system functions. Here you click on the <i>Show</i> button.</p>	
<p>3. To operate the system you must first click on the rocker switch beneath the <i>Stop</i> button.</p>	
<p>4. As long as the system is stopped, control is only possible from the <i>system control</i> field.</p>	
<p>5. Clicking on the <i>Run</i> button activates the <i>operating field</i>. The lift can now be raised <i>UP</i> and <i>DOWN</i> using the buttons. The boom can be extended or retracted using the <i>ON/OFF</i> button.</p>	
<p>6. The pros can click on the <i>Learn</i> button at the bottom of the page to get to the programming area, which is explained in greater detail there.</p>	
<p>7. Please don't forget to exit the page using <i>Logout</i> when you have finished your tests. This will allow the next person to gain quick access.</p>	

What was realized here on a small scale naturally also works on a large scale.

Further practical examples:

Sending alarms and monitoring

- Sending a text message or an e-mail if a pipe fracture occurs
- SNMP trap if a power failure occurs in the server room

Control

- Control a lift unit over the Internet (Live Demo)
- Remote control of a model crane directly from the browser

Bridging distances

- Tunneling signals of an alarm system through the network

Recording

- [Registering the running times and material usage of a CNC machine](#)

Display

- [Checking and display of tank filling levels and conveyor belt jams](#)



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Wiesemann & Theis
GmbH
Porschestra. 12
42279 Wuppertal
Phone: +49 202/2680-110 (Mon.-Fri. 8 a.m. to 5
p.m.)
Fax: +49 202/2680-265
info@wut.de

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