Web Access for KNX / EIB Devices

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Lingg & Janke OHG

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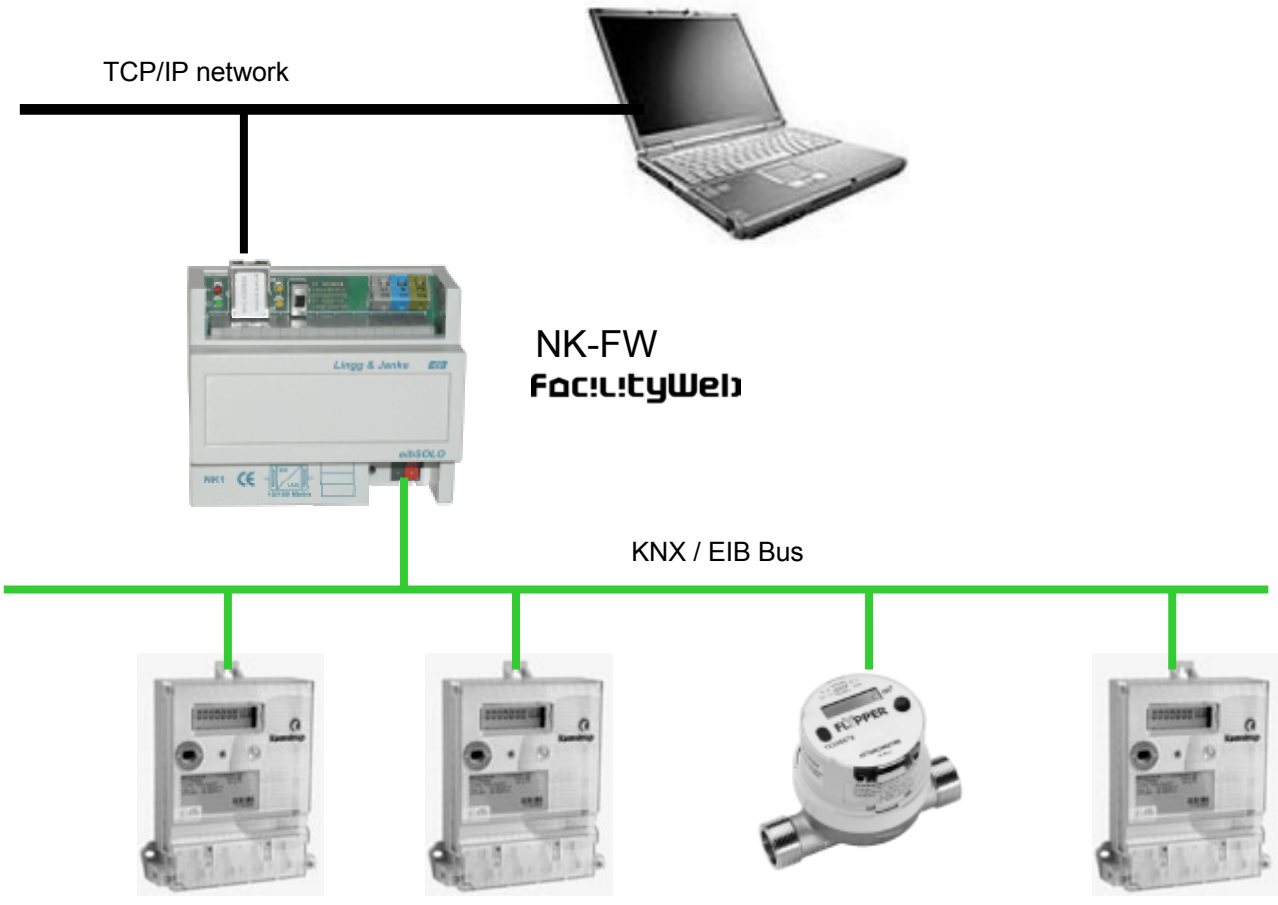
Registered Trademarks

FacilityWeb

FacilityWeb

FacilityWeb

System Structure of FacilityWeb



Lingg & Janke **FacilityWeb** products

Services provided by FacilityWeb

(TCP/IP network side)

HTTP service:	Allows access with a browser to any KNX / EIB bus device.
FTP service:	Allows downloading of files from any KNX / EIB device using an FTP client program (e.g. FTPcommander).

BCU with **FacilityWeb** functionality

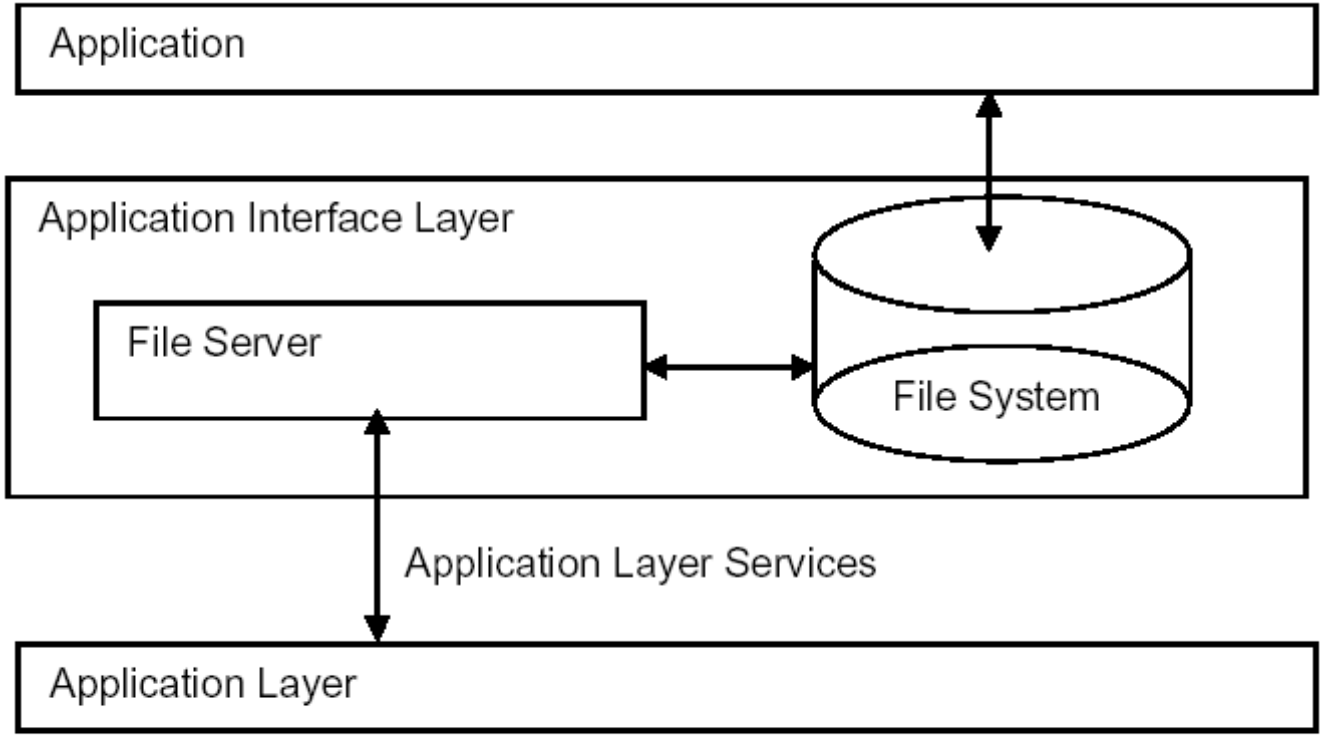


Figure 2 – Basic File Server model

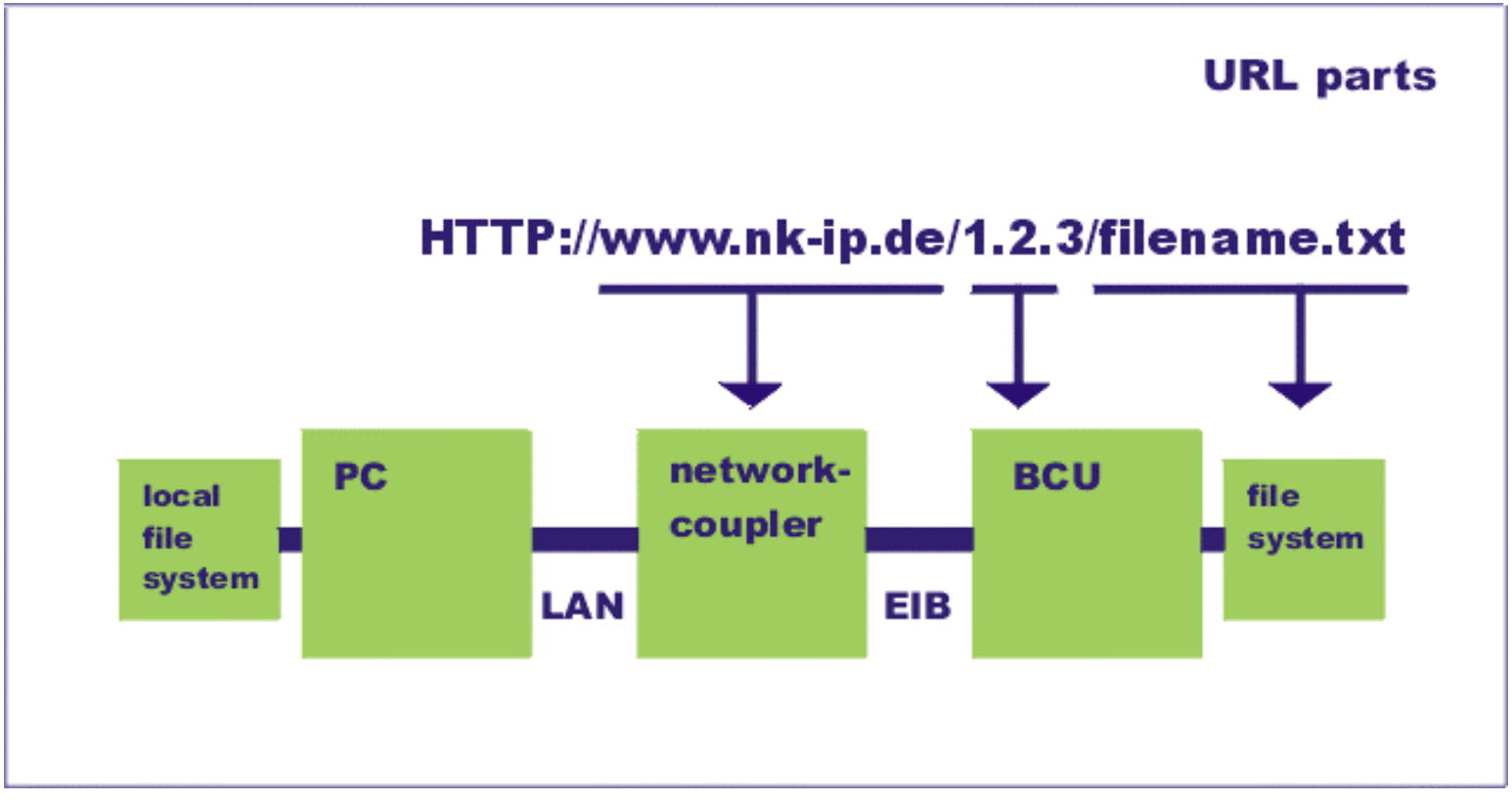
FacilityWeb major Applications

With **FacilityWeb** the **end user** has the possibility to communicate with KNX / EIB bus devices directly (window into the device).

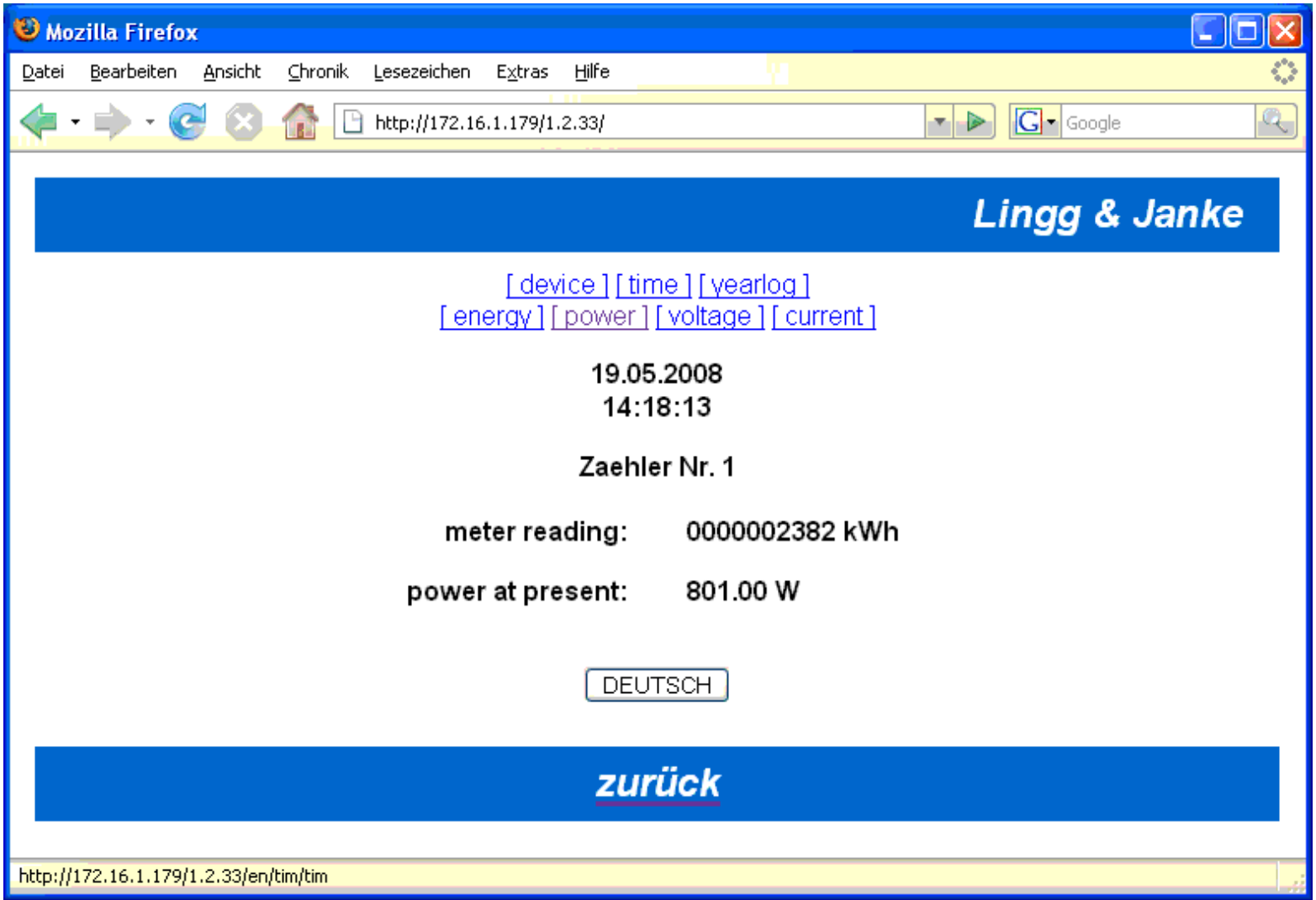
With **FacilityWeb** KNX / EIB bus devices may have additional mass storage, which enables them to perform autonomous **long term data logging**.

With **FacilityWeb** KNX / EIB bus devices may contain their own **operating manuals**.

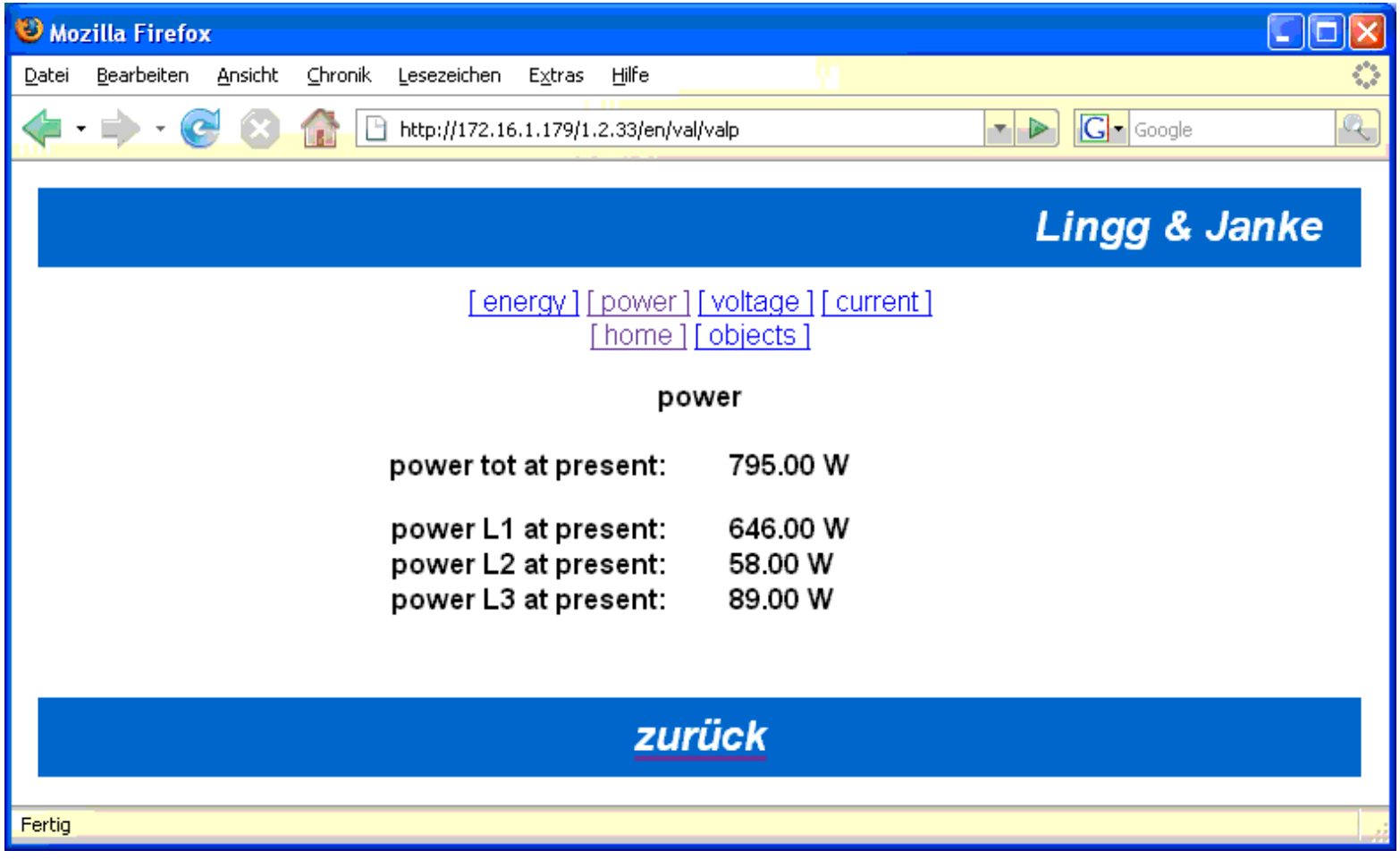
FacilityWeb Device Addressing (Browser)



„Homepage“
of a KNX / EIB Device



Further Web Page of a KNX / EIB Device



Long Term Data Logging
(e.g. logging inside an electricity meter)

```
+----------------------------+
| Rec. Date: Mon  21.01.2008 |
+----------------------------+
| Kamstrup E-Meter 382/162   |
|                            |
| 1: Meter reading (kWh)     |
| 2: 1/4h Diff. (Wh)         |
| 3: Power (W)               |
|                            |
+----------------------------+
08 00:00 000000232   100   505
08 00:15 000000232   100   442
08 00:30 000000233   100   500
08 00:45 000000233   200   495
08 01:00 000000233   100   517
08 01:15 000000233   100   451
08 01:30 000000233   100   502
08 01:45 000000233   200
08 02:00 000000233
08 02:15
                             538
                     100     611
   22:30 000000258   200     544
08 22:45 000000258   100     503
08 23:00 000000259   100     448
08 23:15 000000259   100     448
08 23:30 000000259   100     514
08 23:45 000000259   200     502
```

Highlights of **FacilityWeb**

- World wide standard ISO / IEC 14534 and EN 50090
- **Low energy consumption** (only 150mW per BCU)
- Simple wiring with 2 (4) wire cables
- Devices are suitable for electrical installations
- Trained personnel available for installation and maintenance
- **Low manufacturing costs** per bus coupling unit (BCU)
- Functional range almost like „big“ web servers
- **Only little installation work** due to predefined
- Little planning effort
- Every bus device has its own „Homepage“
- **No additional software necessary** for the end user

Restrictions of **FacilityWeb**

- Slow data transmission (9600 Baud)
- Performance lower than with „larger“ web servers
- Restricted web pages.
- Only one end user at a given time (currently).

Available Products

For the market launch of **FacilityWeb** two products are available:

Network Coupler NK-FW

FacilityWeb

Electricity Meter

EZ382A-FW

FacilityWeb

Training Center Opportunities

Training courses for:

- **FacilityWeb** system structure
- TCP/IP network basics
- IP addressing
- Configuration of the network coupler NK-FW
- Configuration of TCP/IP routers
- etc.

Thank You for Your Attention

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