

Best practice: Energy professionals – back office work

Since November 2017 “devices” are being checked daily or regularly every couple of days. The “devices” in EDI-Net represent the actual energy meters which deliver their readings automatically to the system. By sorting the devices-list by “latest data”, the meters which have problems delivering meter readings can be easily identified. Immediate action can be taken to bring the meters back online or to clarify whether there are other problems in the communication channels.

Although this is not an application EDI-Net was originally intended for, it is a very useful feature in the daily routine of an energy manager. The following picture taken on Jan 30, 2018 shows that 10 out of 163 devices have only outdated data available (older than 2 or 6 days, resp.). The energy manager now can check the meters, the communication channel and other possible reasons.

As a result, the data quality as a basis for all energy controlling tasks improves and potential waste of energy can be identified with a higher reliability.

Filter synchronised unsynchronised sort by **latest data**

163 devices found.

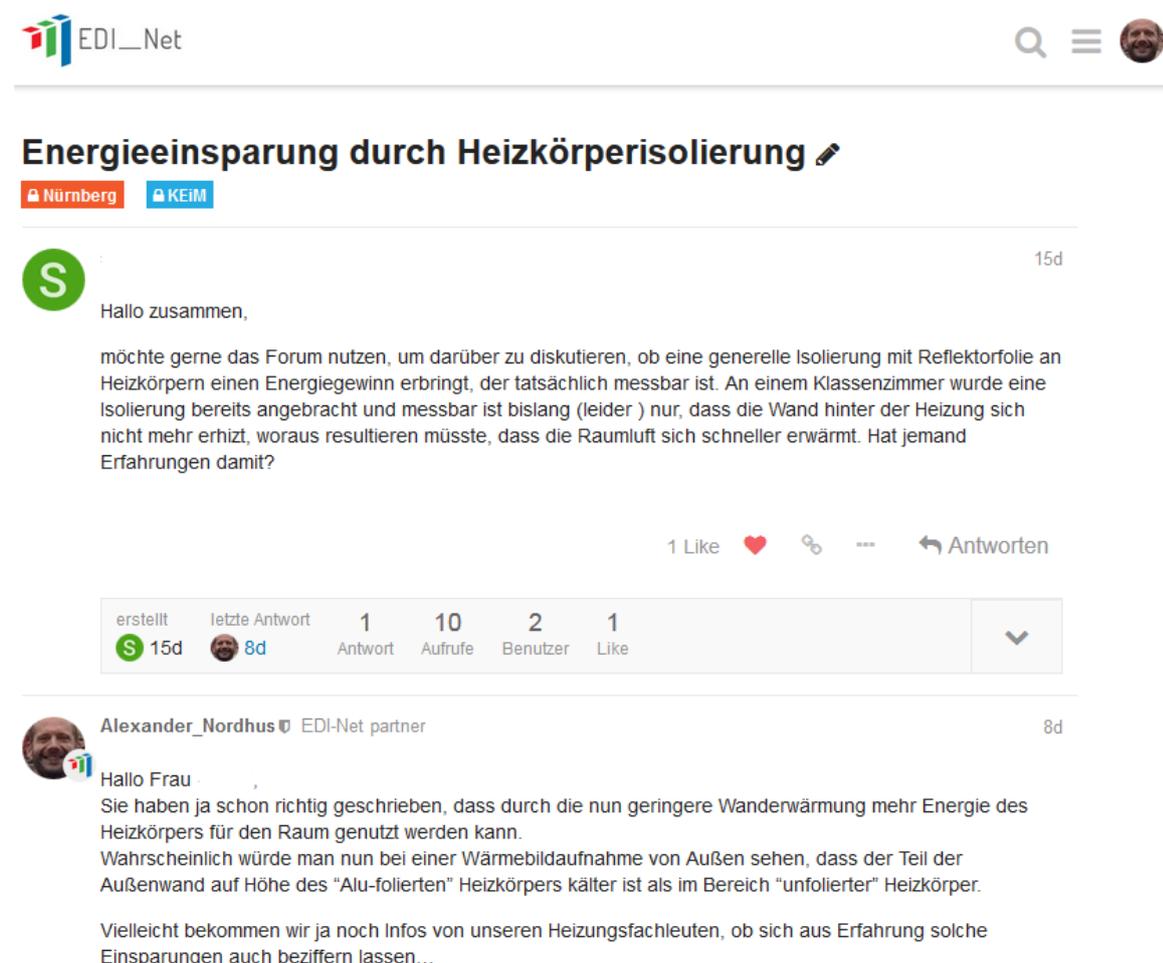
 RMCU_2913Wasser_EVU_Gesamt_W275VW e37acf11-ac8c-4637-aacd-b56958d81a68 	✓ synchronised 2 hours ago ⌚ data ends 6 months ago
 RMCU_XML_CPG-KEM049891140BIS1-0-1.8.0 0248e7df-1e4c-4e5a-95d2-9db3cbacce4 	✓ synchronised 2 hours ago ⌚ data ends 6 months ago
 RMCU_3686_Piloty4_Fernwaerme_EVUHQ e5dc7511-ccf8-4fb3-ac8d-b4f2f7fe4d67 	✓ synchronised 2 hours ago ⌚ data ends 4 months ago
 RMCU_XML_CPG-KEM04989114_KEMOBIS1-0-1.8.0 eb6b7852-7632-47fb-bb5b-ead0572220dd4 	✓ synchronised 2 hours ago ⌚ data ends 2 months ago
 RMCU_XML_CPG-KEM67747296_KEMOBIS6-0-2.0.0 46417f2b-b4c3-4712-9f25-b0ba3af98478 	✓ synchronised 2 hours ago ⌚ data ends 2 months ago
 RMCU_XML_CPG-KEM16548720_KEMOBIS8-0-1.0.0 ad5bd678-c020-4e2e-8d5d-18f046781777 	✓ synchronised 2 hours ago ⌚ data ends 2 months ago
 RMCU_3856_Schoenweiss7_Wasser_EVUVW 25d42b81-fd2a-4af4-b5d1-94bb5b1c7b9e 	✓ synchronised 2 hours ago ⌚ data ends 2 months ago
 RMCU_3687_Weddigenstr21_160552703687Wasser_EVUVW 0b3ea928-da31-4097-be13-4181b0c610d1 	✓ synchronised 2 hours ago ⌚ data ends 2 months ago
 RMCU_3609_Imbusch_Fernwaerme_EVUHQ 188663f9-dffd-4769-a54b-daea26070ec3 	✓ synchronised 3 hours ago ⌚ data ends a month ago
 RMCU_3609_Imbusch_Wasser_EVUVW 9c14cb90-416f-477f-a3a0-aa7912635c3e 	✓ synchronised 2 hours ago ⌚ data ends a month ago
 RMCU_3853_Auf_AEG_Strom_gesamt_EE a5b9e7a3-6a05-49dd-aec9-09661058cb00 	✓ synchronised 2 hours ago ⌚ data ends 6 days ago
 RMCU_3727_Bayernstr110_Gas_EVUVG 92cd0e7d-7293-48fb-bd67-41a0030ec2da 	✓ synchronised 2 hours ago ⌚ data ends 2 days ago
 RMCU_3727_Bayernstr110_Doku_gesamt_ZwZStrom_EE c12188d0-42c1-444c-b36d-f36f5f9d70a0 	✓ synchronised 2 hours ago ⌚ data ends 2 days ago
 RMCU_3919_Vastl_Strom_1P3_Sparkassenhaus_NSHV_Haus_4_AV_ZwZEE 1fe7d492-2b19-4b2c-bf93-c2587bf9ee57 	✓ synchronised 2 hours ago ⌚ data ends 2 days ago

Use-case: Eco-teachers in schools (“Keep Energy in Mind” program) – Online-Forum

The “Keep Energy in Mind” program is an “Eco-Schools” program involving specially trained teachers at many schools everywhere in the City of Nuremberg. They constantly work with pupils over the whole year to educate them in energy efficiency. Furthermore, these teachers initiate dedicated projects in their schools, to focus on certain topics of energy efficiency.

Some of those teachers already registered in the online-forum. A category especially for the KEiM program has been set up and a first information exchange between a teacher and our energy management specialists takes place.

The forum can be a good informal path to directly place questions to the specialists. In the case shown below, a teacher asks for practitioner’s experience regarding insulation of walls behind radiators in classrooms. This will improve the understanding of the background of energy efficiency. Although no savings can be given in numbers, the improved knowledge of those who teach the youth will result in a better quality teaching and finally in a higher sensitivity of many future grown-ups towards energy consumption.



The screenshot shows a forum post on the EDI_Net platform. The post title is "Energieeinsparung durch Heizkörperisolierung" (Energy savings through radiator insulation), located in the "Nürnberg" and "KEiM" categories. The post was made 15 days ago by a user with a green 'S' profile picture. The text of the post asks for advice on whether reflective foil insulation behind radiators actually saves energy, as the wall behind the radiator is no longer getting warm. The post has 1 like and 10 views. A reply from Alexander_Nordhus, an EDI-Net partner, was posted 8 days ago. His reply explains that the foil likely reflects heat back into the radiator rather than the room, and suggests asking heating specialists for more information.

Use-case: Building users – information via dashboard (to be implemented)

This application appears to be a very interesting one, as the information of building users about “their” energy consumption is considered as being crucial for follow-up measures aiming at changes in behavior. The large group of buildings hosting the major part of the City’s administration (“Rathaus – xxx”) will be one of the first buildings where the consumption is presented on a publicly available information-screen. Estimations by the German government state expected energy savings of additional 1-3% only by presenting consumption data to the consumers. The same idea will be implemented in the “KEiM” schools (see use-case above), to support projects started by the KEiM-teachers.

Bürogebäude	
8 competitors	
 Rathaus - Burgstraße 4	Wasser  Strom  Wärme 
 Rathaus - Theresienstraße 1	Wasser  Strom  Wärme 
 Rathaus - Theresienstraße 7	Wasser  Strom  Wärme 
 Rathaus - Fünferplatz 2	Strom  Wasser  Wärme 
 Rechenzentrum	Strom  Wasser  Wärme 
 Rathaus - Hauptmarkt 18	Wasser  Strom  Wärme 
 Rathaus - Rathausplatz 2 (und Fünferpl...	Wasser  Strom  Wärme 
 Sozialrathaus	Strom  Wasser  Wärme 