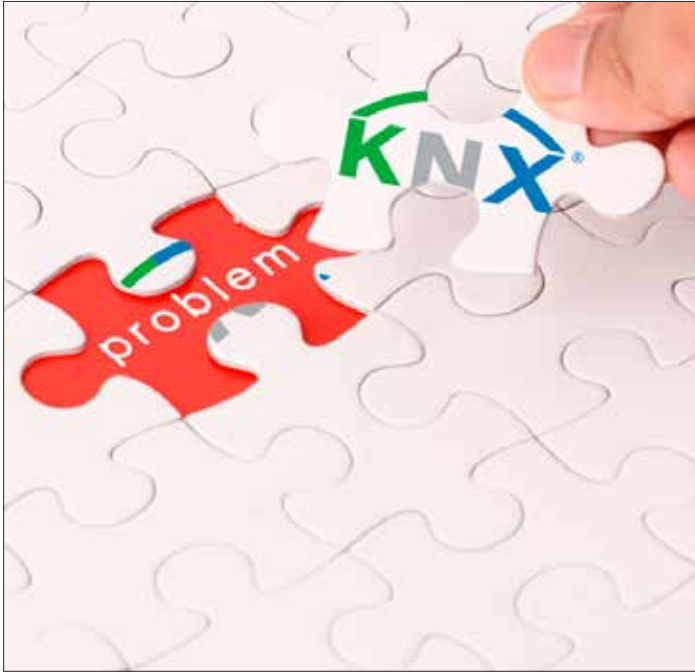


Recap #KNXis30

JUNE: THE LIMIT IS THE OUTER SPACE



“Brussels, we have a problem! ... And also a solution”.

Who still remembers the scene from the 90's movie 'Apollo 13', in which a team of engineers created a life-saving machine out of duct tape? Almost nothing is as satisfying as finding the solution to a problem, fixing something that was considered broken or simply finding the answer to a difficult question. In June, #KNXis30 was looking for the best application of KNX - How did the KNX community overcome a special problem? KNX Association awarded creativity and application.

When more than 10 high-quality entries are submitted daily and that during the usually quiet month of June, then you know that #KNXis30 experienced yet another highlight! Not only were expectations exceeded by the amount of stories, which the KNX Community has handed in, the quality of the solutions was outstanding! Also in June, entries came from all over the world, showing again that there are no borders between the KNX Community Members. The limit is the outer space.

From the traffic light as a replacement for the time to the solution for confinement - Name a problem, KNX Association has the solution! Let's have a look at the Top 10 KNX applications, which made problems disappear:



1. Sebastian from Germany:

“In a big school in Bavaria, the blinds had to be used to cool the classrooms, the teachers were never satisfied because the blinds seemed to have a mind on their own.

I created a single-room blind automation, every classroom decides for their own if the blinds can be activated or not. While there is presence in the classrooms, the blinds will never do anything, but without presence they will completely shut down, if necessary, to help cooling down the room.”

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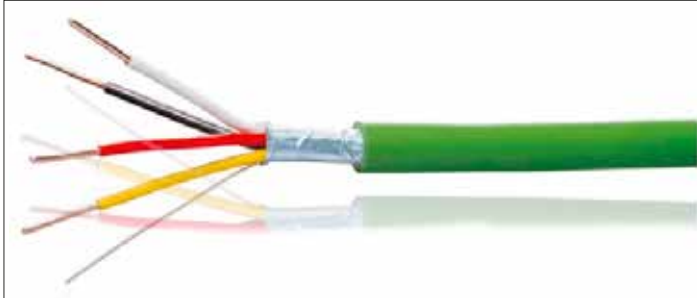




2. Andreas from France:

“Problem: How to control a large number of rooftop windows, each equipped with motor driven opening and shutters, for which traditional cabling would be almost impossible to achieve

Solution: A separate installation panel installed close to the roof, with 16 KNX actors piloting all windows and stores (and some additional functionality for lighting and ventilation), all connected through a single KNX bus cable with the lower floor level”



3. Alex from Switzerland:

“During a renovation, we had too many cables that had no space and weakened the statics.

A KNX cable and 230V to a room box, and the problem was solved. Light blinds heating shading and weather station everything could be easily integrated.”



4. Jean-Claude from Luxembourg:

“The Kids (4 and 6 years old) went at different times of the day to the playroom in the basement. Obviously they always forgot to turn on the heating or they kept it running after they left.

As there was a KNX presence detector already installed, I developed a little logic (using eibport) that sets the room controller to “comfort” after it detects continuous movement for 90 seconds. It shouldn’t turn on the heating if there was just a person passing. It also automatically sets the room controller to “standby” after no movement is detected for some time. So Kids were happy (and warm) when they played an parents didn’t have to worry anymore.”



5. David from Spain:

“The shutter manufacturer was providing a proprietary bus system to centralize the management. The system was limited to shutters and had many limitations: just one button in one place, no remote management, no APP.. With KNX we managed to connect to each shutter and create scenes to automate based on the sun-light etc. The cost of the full KNX system came almost for free since it was similar to the cost of just the alternative shutter centralized system. During the current house expansion project, KNX came very handy and was extremely simple to add the new rooms, exterior lighting and new shutters.”

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6. Roozbeh from Iran:

“One of the problems we faced is that some HVAC systems with unknown brand thermostats operated manually by buttons or IR remote controls. We had many requests in several projects to overcome this problem.

Thanks to the complete solutions provided by different KNX manufacturers we solved the problem using a combination of products from different brands. Using an IR command receiver, we found the coding of the remotes and commands for the duct AC company, then integrating the commands into KNX IR AC transmitters, connecting it with a thermostat function and using KNX push buttons we have sent the commands to the other brand thermostat controller. Also, we have overcome another problem: activating Fan mode instead of Heat mode. Thanks to KNX Simplified mode and DPTs, we have solved it in several projects.”



7. Stefan from Germany:

“Our 3 years old son cannot read the time of the day and does not understand clocks. He does not know when it is time to get up for him. The consequence is, that he goes his sleeping parents, just to ask, whether it is time for getting up. This is usually very early and a real problem for the sleeping of the parents.

We installed a RGBW LED and used as a “traffic light”. It is off, when he still needs to sleep and stay in bed, yellow when he can get up and play in his room and green, when the parents woke up and he can also get up. The green light is switched on, when the wake-up-scene is triggered (KNX switch). Light off and yellow is controlled via a timing logic and is depended on the day of the week and summer/winter. The same logic also controls the window blinds in his room. The same light is used in the evening as a night light for the start of the sleeping phase and automatically dims off after a while.”



8. Miguel from Spain:

“The client had an existing automation system with a non-standard technology and the company that manufactured equipment has gone bankrupt. The client could not replace the faulty device.

It was decided to replace the old system with KNX, taking advantage of the wiring. The client is very happy to have a updated home system that will last for many years.”

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9. Joris from Belgium:

"I needed an alarm system to protect my home. But I also wanted to make the heating economical and environment friendly. Issue I had was i didn't want to install double door-contacts in each window.

I created an KNX interface between the alarm-panel and the heating system. In this way I could use the window contacts from the alarm system to shut down the heating when a window was opened, without the need to install double contacts."



10. Lars from Germany:

We wanted a modern, smart and eco-friendly home. And: It had to be open and future-proof. Our electrician knew, how to place the cabling, but had no Idea how to configure everything via the ETS. So I learned it via some YouTube-Videos, the ETS Tutorial on "MyKNX" and by "trial and error" via the ETS Demo.

We have EVERYTHING in one System! And that's great. For example: If the smoke-detector in the dining-area (next to the kitchen) is triggered, it automatically cuts the power from our oven, turns on the lights and opens the window-blinds. If it was a false alarm, the push of only one button sets everything back to its normal state. Great!"

But if you think that this was all, you are far from right

Although KNX Association tried to share as many stories as possible, it was impossible to give the spotlight to everybody who deserved it. That is why KNX Association will inform all winning stories via email and inform them about their special prize. Check your mailbox in the coming days and see, if you are one of the happy winners - Chances are high!

The next highlight is yet to come - Join us!

The upcoming months will bring free ETS Licences, lucky drawings and many other highlights, which will not be forgotten by the KNX Community.

To be up-to-date, get in touch with your KNX National Group and keep an eye on <https://knxis30.knx.org>

We are looking forward to experiencing the next highlights with you!

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