

Dear Partner, dear Sir or Madam

In 2015, you implemented wonderful projects using DEOS products and our new, innovative range of systems and solutions services. We thank you very much for your successful cooperation with us over the past year and your trust in us.

Looking back at the DEOS highlights this year: **DEOS energy solutions** wear received positively by you. Your great feedback on the **DEOS Upgrade Training** and our **webinars** in Germany have provided us with an occasion to offer these formats again in the new year and other countries.

In 2016, **DEOS OPENbalance**, **OPENweb** (version 8), and the optimization of **DEOS** programming and productivity tools will play a stronger role in the DEOS solution and product palette.

The trend is clear: networked room control solutions: You can look forward to new **KNX/KNX IP** connection solutions for rooms, which go beyond classic HVAC functions. In this case, we'll be presenting new complete systems at "light + building 2016", starting with new programming tools and ranging up to new commercial room controller concepts, e.g. for hotel and office buildings.

In this case, the **VAV/FCU controllers and SRU/SRC** will play a central role in the DEOS system environment. We're already able to present these products and solutions to you today, so you can contact us now if you're interested.

2016 is going to be exciting in view of the DEOS innovations mentioned and other innovations. In this way, we'll be capable to respond with pleasure as a partner or end customer to growing demands in the area of building automation.

We've experienced a lot together this year, and we've achieved much more. We wish you, your employees, and your families a Merry Christmas and health, luck, and success for the new year 2016!

Your
DEOS Team

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▪ The Lord of the Rings: CAN-HSB ring bus system

Fire protection damper controls example



The implementation of secure and reliable fire protection solutions including controls for fire protection dampers is one of numerous use cases of the DEOS CAN-HSB (High Safety Bus) ring bus system. This cost-optimized system solution has established itself in buildings like hotels or offices and fulfils customer requirements flexibly.



Ring bus systems are an economical and ideal alternative to conventional cabling for fire protection and smoke removal dampers. The DEOS solution detects failures in system components and increases operational reliability. In this case, medium to large-scale control systems form the optimal area of application of the CAN-HSB ring bus system.

More interesting detailed information in the form of an Application Note/Flyer is [available here](#).

▪ Did you know? Valuable DEOS tips from practical experience

Low-cost volume flow optimization via the DEOS macro

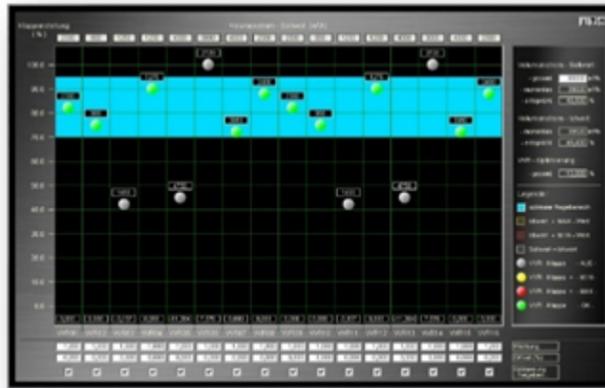
Hardware devices that control fans via volume flow controllers and their damper positions as needed are widely distributed on the market. In these volume flow control systems, *fan optimizers* are often used, which are only able to accept a limited number of volume flow controllers.

In case of complex systems, this hardware is expensive to expand. Due to the high purchasing costs connected with this, both planners and system partners are happy to do without this optimization. However, this results in increased fan operation costs and reduced comfort due to increased noise pollution.

In this case, DEOS AG takes a more low-cost approach.

For low-cost **volume flow optimization**, we offer **finished macros** in the DEOS macro library (version V0004m and higher).

The fans speed is optimized by this DEOS solution via feedback from the damper positions. In this case, the target pressure value of the supply and exhaust air fans are continuously optimized using individually calculated set-point resets. Every volume flow controller is observed individually. Up to 16 volume flow controllers may be recorded by each optimization macro and displayed on one screen.



Depending on what is required, the system may be **cascaded easily and with little programming cost** to increase the number of volume flow controller to be recorded. The graphic user interface is used to monitor and visualize the individual parameters of the volume flow controllers, e.g. ACTUAL/SET values (in m³/h) and the damper position (in %).

This **solution reduces energy consumption significantly** and increases the comfort in the building without additional costs, because, for example, disturbing noise due to a volume flow controller that is not optimally regulated is able to be prevented.

Many DEOS partners and end customers **already successfully** use these finished macros to optimize volume flow controls, for example Stransky in Terfens, Austria or Olm in Berlin, Germany (e.g.: in the IKEA Hamburg-Altona project, which features over 70 volume flow controllers).

▪ **Full voltage: New 24 V DC voltage supplies**

New DEOS power supply units available mid-January 2016: New 0.42 A power supply



Starting mid-January 2016, the new DEOS 24 Volt DC power supply units will be available. Delivery and therefore transition to the new subsequent models will take place in the following steps:

The two variations featuring output currents 1.25 A and 2.5 A will already be available mid-January 2016 and will then be delivered as standard.

We will also introduce a new power supply featuring an output current of 0.42 A. This will also be available mid-January 2016.

The transition to the power supply featuring output current 4.2 A will take place round April 2016. Until this time, we will deliver our existing DS-PSU244 power supply.

In this way, four new power supply unit types will be available starting April 2016. All of them are suitable for DIN-rail mounting, as usual.

The data sheets will be available to you as a download starting mid-January 2016 in the [partner area](#).

▪ **Practical: DEOS topology poster as a download**

For downloading, printing, and posting



Over the past weeks, many customers have displayed great interest in the current DEOS topology poster, which is suitable for offices and meeting rooms.

Due to high demand, we now offer you the poster as a download: The [download of the file](#) for printing or plotting and hanging up is available here.

Note: We provide the DEOS topology poster in a very high print resolution. The format of the poster is equivalent to DIN A0 (1,189 mm x 841 mm).

▪ **Outlook: DEOS AG is at "light + building 2016"**

New and improved solutions, simple engineering, and much more



SAVE THE DATE: The new year 2016 starts of great with "light + building" in Frankfurt, Germany (13.03. – 18.03.2016).

On nearly 85 m², **DEOS AG will be in Hall 9 at Stand D.50** to present new and improved complete products, solutions, and services as usual in a modern and open environment.

One focus of the DEOS presentation will be simple and speedy engineering. Familiar tools like FUP XL, MaLib, and the template library receive a new feature here, which reduces your programming costs further and enables you to calculate your offers even better.

Visit our trade fair stand and look forward to high-level, intensive technical discussions with DEOS developers and sales colleagues. Detailed information about trade fair highlights will follow at the beginning of the year.



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