

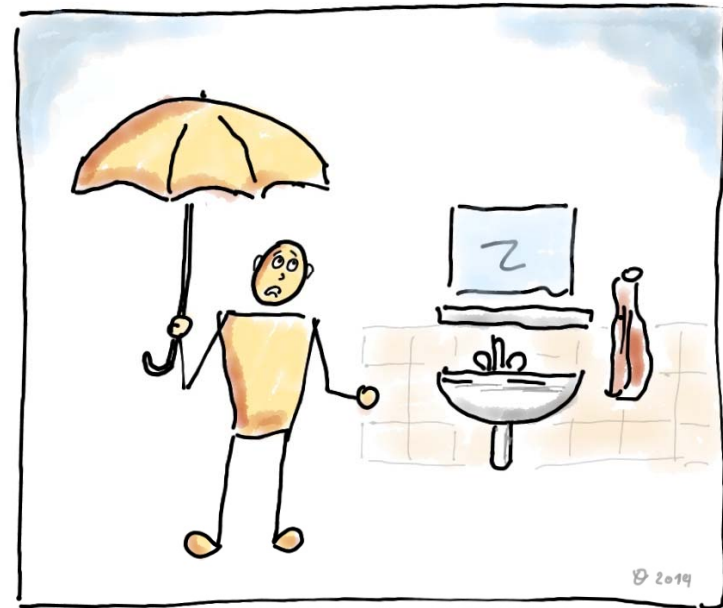
# Examination of humidity removal in a bathroom due to a bathroom ventilator

## Problem

Inside bathrooms could be attacked with mold because of high humidity.

## Scope of work

This application should make clear if the bathroom ventilator is sufficient for a humidity removal in the bathroom.

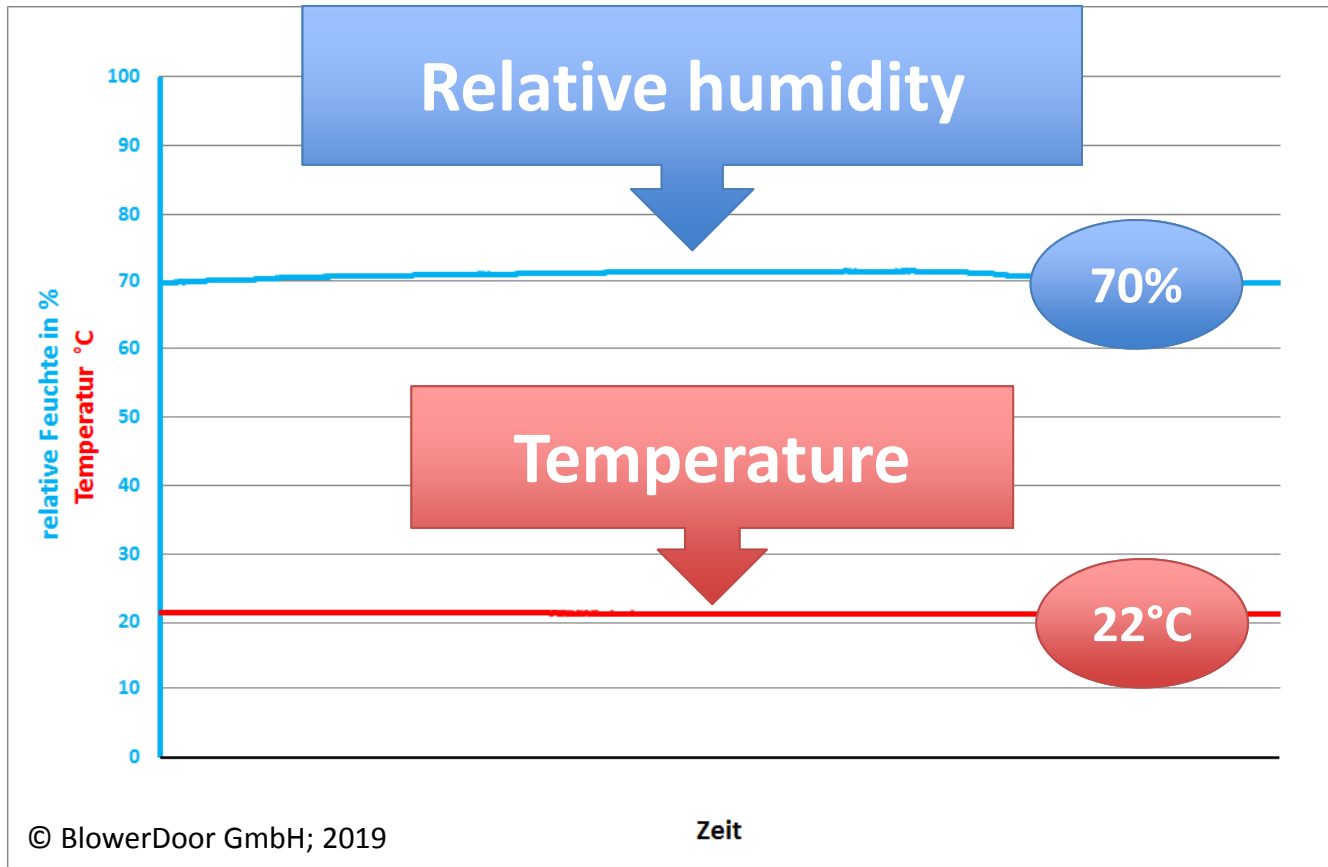


## Necessary measuring equipment

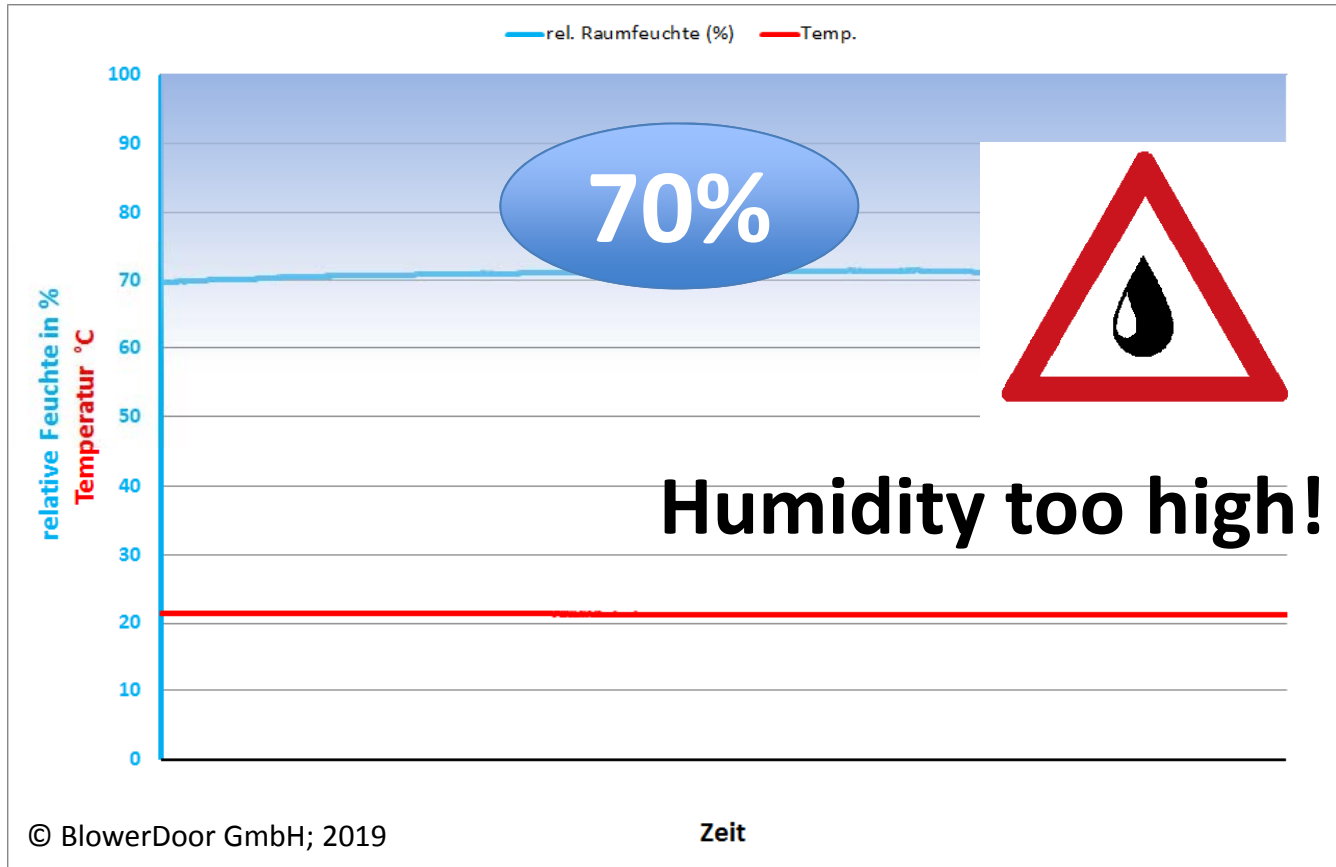
- **DG-700 with TEC WiFi Link**  
to record the pressure difference in the bathroom due to the bathroom ventilator.  
The data logger function is included in the TEC WiFi Link
- **Alternatively: DG-1000 with the Software TECLOG**
- **Temperature logger and humidity logger**  
to record the temperature and the relative humidity in the bathroom



# Initial situation in the bathroom



# Risk of mold formation



## Measurement structure

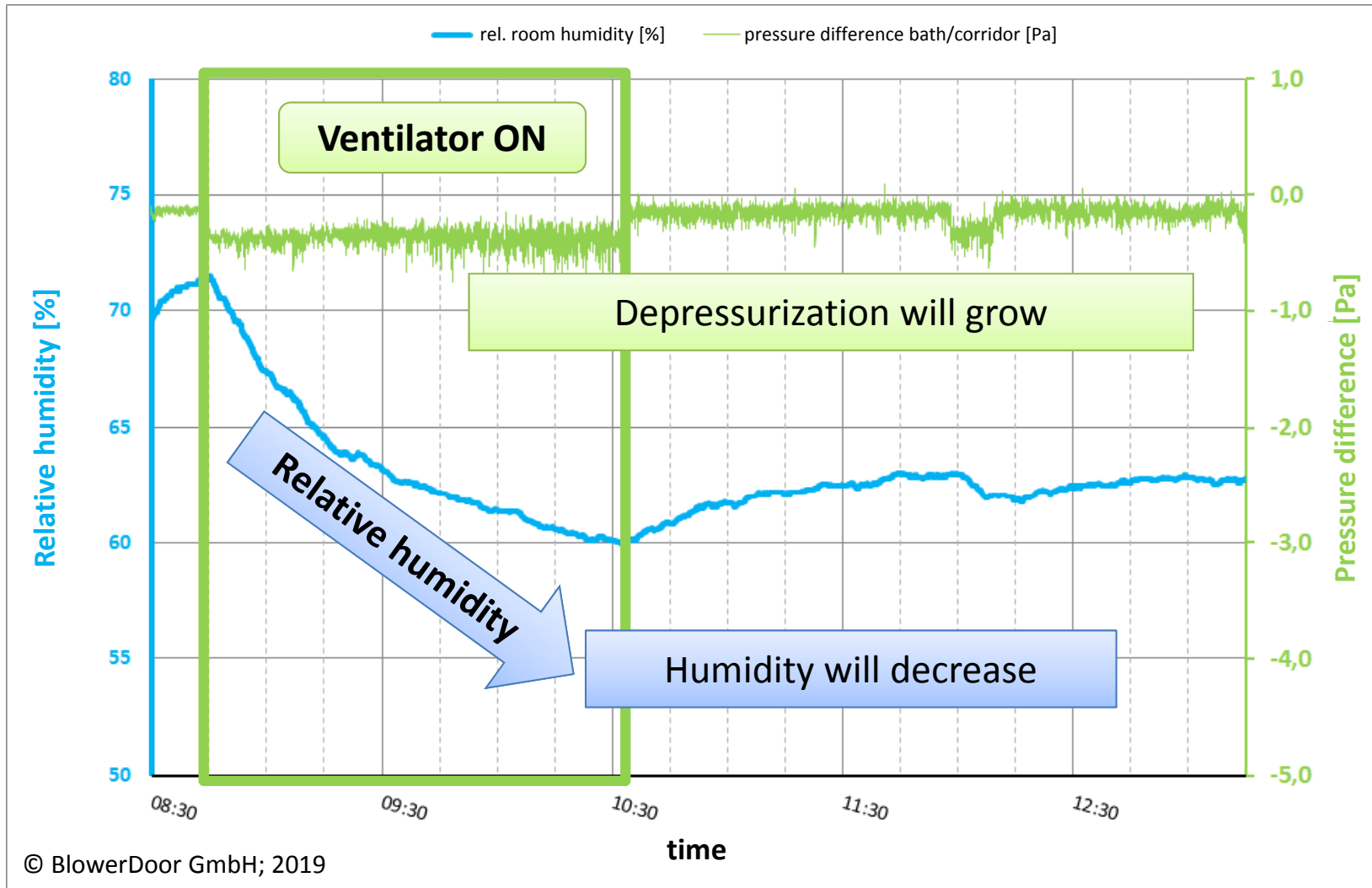
### Question:

Reduction of humidity when the bathroom ventilator runs?

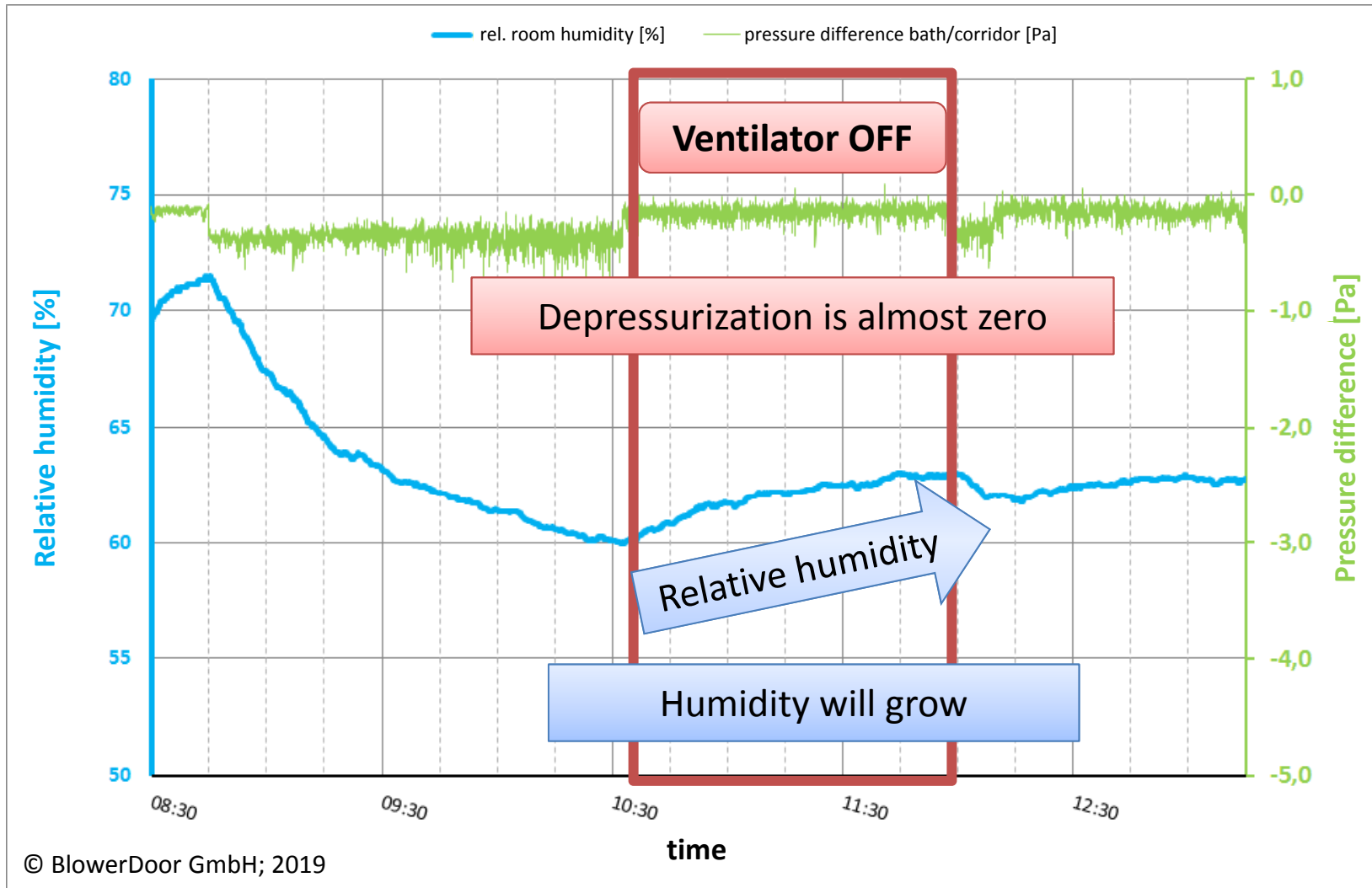
### Measuring method:

The pressure differences following from the bathroom ventilator are recorded in the testing period as well as the relative humidity





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## Results

### Question:

Will there be a reduction of humidity when the bathroom ventilator runs?

### Answer:

The examination shows that the bathroom ventilator will generate a slight **depressurization**. Due to the airflow the **humidity** will decrease to an acceptable level.



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