



## Olof Nevenius

(working with Ventilation for more then 50 Years)

### **Chairman of FunkiS**

(Funktionskontrollanterna i Sverige)

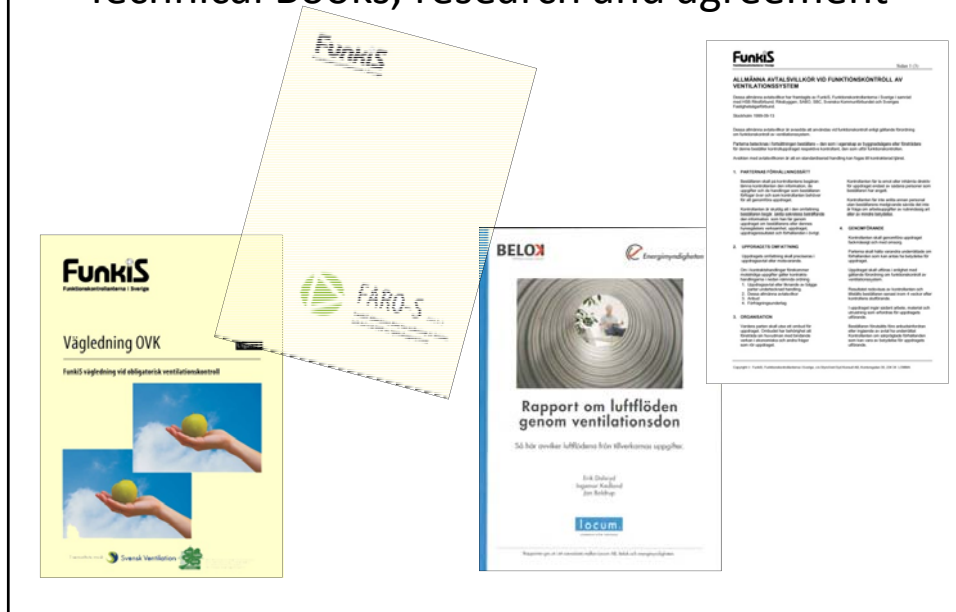
(Functions Controllers in Sweden)

Air Handeling Systems



- **FunkiS** (Functions Controllers in Sweden, start 1991) organize the main part of the Certificated Functions Controller in Sweden and many Municipal Officers of OVK. About 1100 members march 2015. **FunkiS** runs Aducations to maintain knowledges about Laws and Regulations and how to deal with radon and ozon.
- **FunkiS** give technical advice, have an Ethics Group, Anual meetings with fairs and Conferense, local clubs, Publishes Subject Books etc.
- **FunkiS** work close to Boverket to make sustainable indoor climate on behalf of the government

## Technical Books, research and agreement



## Educations and informations



# **CHECKING VENTILATION SYSTEMS**

## **FIELDWORK**

### **METHODS OF CHECKING AIRHANDLING SYSTEMS AS DONE IN SWEDEN**

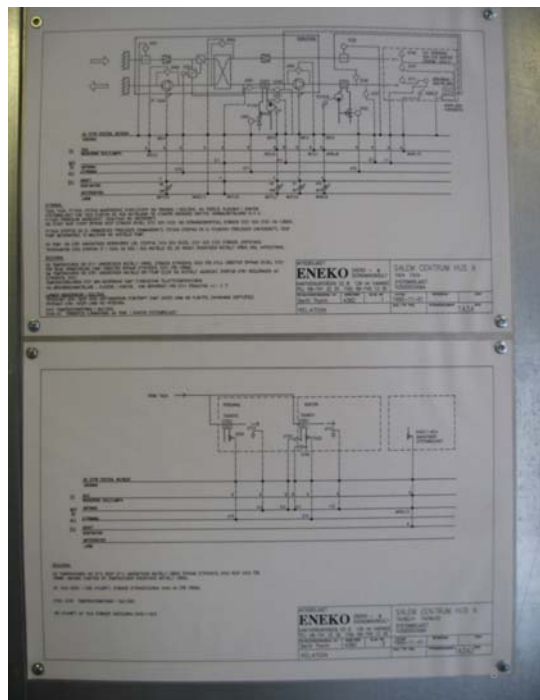
## At the Office, before Fieldwork

- Check all the Basic Data
  - Drawings (paper ore digital, searching at City Archive)
  - Kind of Air Handeling Systems (Natural ore Fans/Units)
  - Operating Instructions (binders, drawings ore digital)
  - Maintenance Instructions (binders, scedules ore digital)
  - Protocols from previous OVK checks (City Archive)
  - Protocols from adjustments
  - Premises current use (rebuilt ore new aktivty, more people then ment when it was built)
  - Name, number and street adress on Block
  - Units name and service area
  - What Year and what Building Regulation is valid for this Building

## At the Office, before Fieldwork



How do the  
Air handling  
systems  
work?



## What to check

1. Drawings and dokumentaions
2. Ducts,
  1. from inlet to outlet
3. Fan rooms,
  1. acces
  2. lighting
  3. drains
4. Fans and Units,
  1. filter
  2. heaters
  3. heat recovery
  4. dirt
  5. dampers
  6. belts et c
5. Control and regulations,
  1. fire
  2. alarms
  3. indications
  4. setting values
6. Apartments/locals,
  1. inlet air
  2. air transfer
  3. exhaust air
  4. cooker hoods
  5. use
7. Tests,
  1. total flow
  2. subflow
  3. temperatur
  4. relativ humidity RH
  5. noise
8. Other,
  1. moisture damage
  2. other observations
  3. user comments

## Check List

This is the very first Protocol and it was inspired from the regulations of how to check automobiles.

It has since then been modified very much and today You can find a lot of different Protocols, most of them for digital use.

Bit it is still the same things to be checked.

## Assistive Technology



Huddinge, Locuma Mätlabb. FunkiS mätkurs måndagen den 11 mars 2013 © Olle Nevenius. FunkiS mätresultatlogg FML är nytt för i år.

The Equipments we use are calibrated and the result is to be documented were it can be found at the next check.

## Air Handling Units are mostly gathered in technical rooms

