

# Main issues

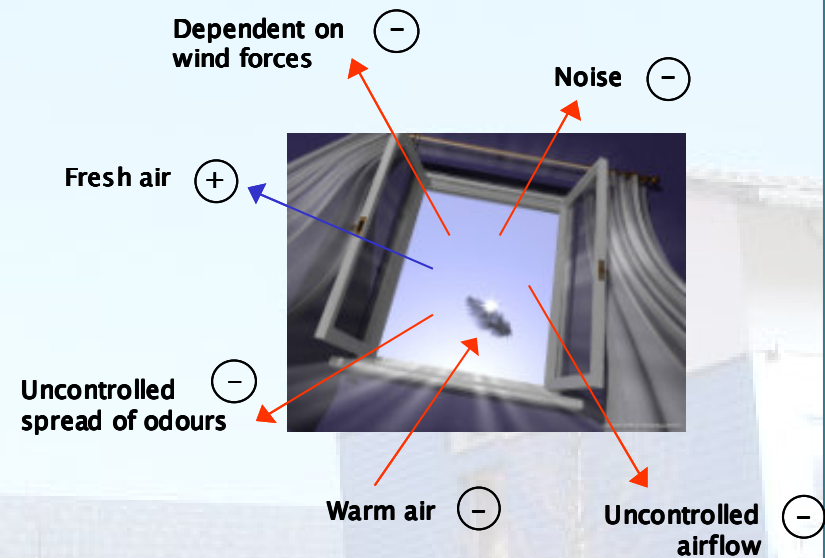
Often poor ventilation in existing building

Renovation required

Energy saving required

More ventilation can result in:

- ▶ + Better indoor air quality
- ▶ - More energy use
- ▶ - Discomfort by draught



TREES



## Improve ventilation in existing building

- Natural ventilation
- Mechanical ventilation
- Balanced ventilation with heat recovery

## Natural ventilation

- Self regulation vent

## Mechanical ventilation

- Apply heat recovery, central or decentral

## Controlled ventilation

- Natural or mechanical



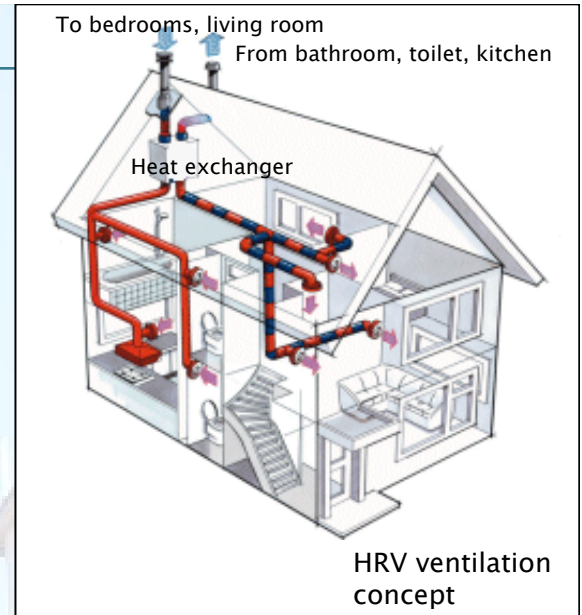
**TREES**



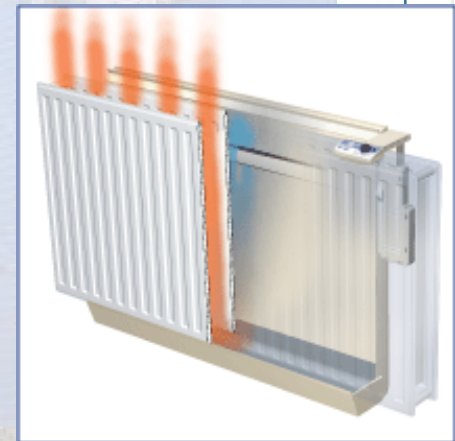
# Examples

## Applying systems with:

- Heat recovery → to save energy
- Control of airflow → to save energy and avoid draught
- T, RH or CO<sub>2</sub> controlled ventilation → to save energy with remaining good indoor air quality



Self-regulating vent



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