



Indoor Air Quality



SolarWind Indoor Air Quality

Building Conception & Fittings

VS

Building Operation & Management

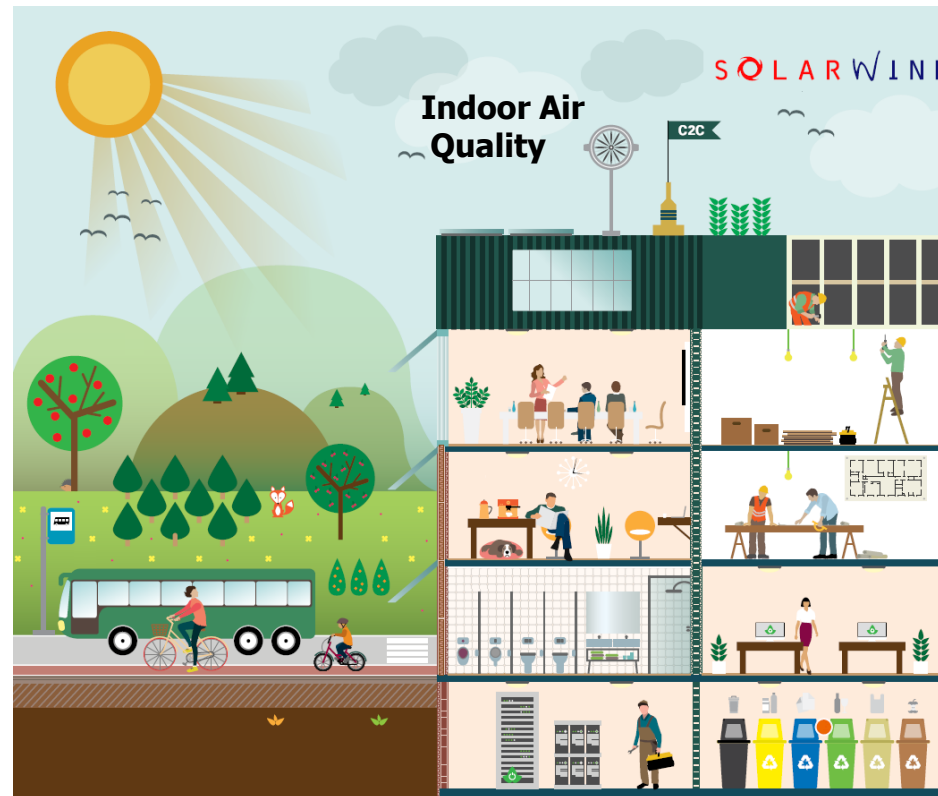
Outdoor Air Intake

Construction Materials

Technical Equipments

Interior fittings

Funitures



Internal Activities & Room Assignment

Maintenance & Services

Measurements & Regulation

IAQ concerns & Technical purpose

- **Pollution due to Materials or Environment** : VOC, PCB, Radon, Mercury, Lead, Asbestos ...
- **Other pollutants due to human activity** :
Dust / Fine Particles, moisture, mold, CO₂ and CO
- **IAQ Measurements (How to measure? What to measure? Where to measure?)** :
Accurate Sensors, Building regulation (BMS)
- **Air Handling Units** :
Standards of conception / installations, Filters, Flow Rate
Operation and Maintenance
- **Certifications:**
BREEAM, HQE, WELL ...

Conclusions IAQ

Multiplicity of factors influencing IAQ...

So, there is a need for :

- **Holistic Approach of IAQ problems**
- **Multidisciplinarity**
- **Co-conception / Co-design** (Client, Users, Architects, Interior Designers, Suppliers ...)
- **Sharing of specific functions**
- **Flexibility / modularity**