



## **AGENDA**

- Why Milva?
- How does Milva work?
- How does Milva add value to partners and users?





EU legislation on handling of environmentally hazardous building waste. Future tightening of work environment legislation when handling environmentally hazardous substances.



More documentation requirements for ordinary constructions and for certified constructions.



As of 2023, an emissions limit was introduced corresponding to 12 kgCO2eq/m2/year which will increase every year towards 2030.



Increased focus on preservation as well as selective demolition to increase the reuse and recycling of building materials.



For reuse and recycling to be realised, we need to establish new value chains and reach a certain quantity to make it economically viable.

### **Waste hierarchy**

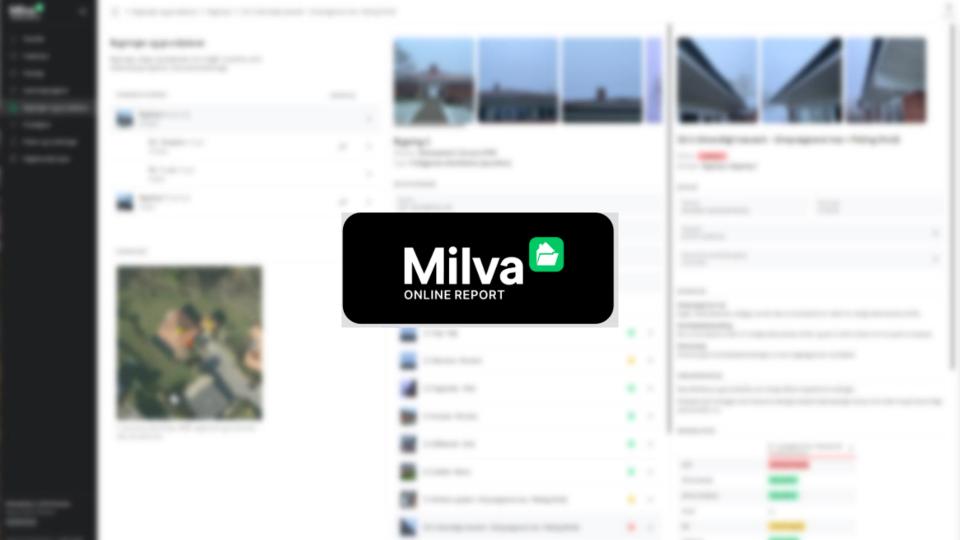




The more data and documentation the better when trying to change

an **analogue** building industry

And make it digital



## **DIGITAL MAPPING**

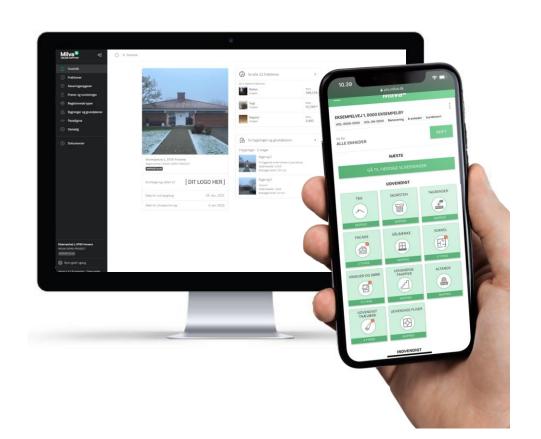
Mapping of environmentally hazardous materials in compliance with the law

Online overview of materials and their data, collected in one place.

Cheaper and more efficient.

Overview of reuse and recycling potentials with CO2 estimates on several building components.

Documentation for certification (DGNB, Svanemærke).



## How to Map

Example: Simplified Wall









Map each Material

Start from within

Move outwards

Choose material type

Measure

Let Milva do the rest

## **CASE - RECYCLING**



Project: Nivå Skole

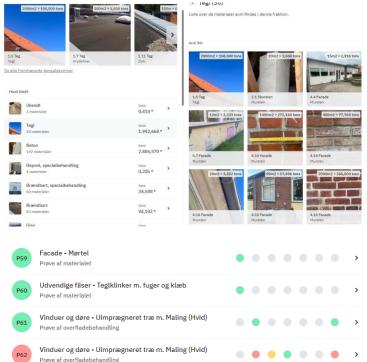
Built-up area: 6.434 m2

Customer: Fredensborg Municipality

**Service**: Mapping of materials and

hazards, recirculation consulting

with focus on bricks



Facade - Mørtel Prøve af materialet





Project: Ådalsparkvej 2, 2970

Hørsholm

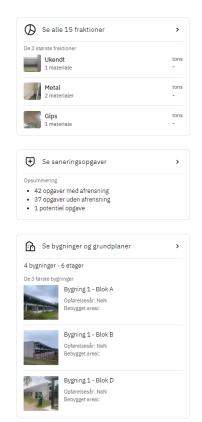
Built-up Area: 11.257 m2

Customer: Transition

**Service**: Screening to ascertain whether the building should be

demolished

### **CASE - EFFICIENCY**



- Se alle bygningsdele

  172 materialer fordelt på 14 bygningsdele

  De 3 bygningsdele med flest materialer

  Gulve

  48 materialer

  Vægge

  22 materialer

  Indvendige fliser

  16 materialer

  tons
- Se prøver og vurderinger

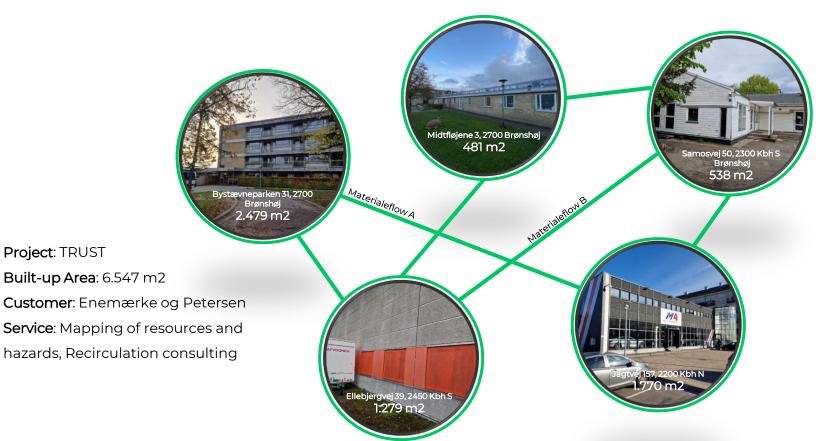
  126 prøver
  Opsummering
  44 prøver er rene
  53 prøver er forurenede
  29 prøver er farlige
  1 udskudt prøve

- 172 materials registered.
- 126 samples taken and analysed at laboratory.
- Sampling and report written (including advice on remediation) in only six days



Timeline

## **CASE - MATCHMAKING**



# Does It Only Work in Big Cities? Of course not

















## Who Uses Milva? Everyone







**Architects** 

**Planners** 

Builders/Owners

Workers

Engineers



