

Gen-Byg Data [Rebuild Data]

Data driven re-use of building materials

By Jasper Steinhausen, Ouroboros AS

– stand-in for Skive Municipality and consultant on the project

It is out there!



What?

- Use data to create an inventory of future reusable building materials currently sitting in existing buildings in the open land
- Thus creating an outlook for the materials that will enter the recycling community later (e.g. six months)
- Increase the re-use of building materials and create more business and new jobs

Why?

- Stimulate green growth
- Make local companies better suited for the world of tomorrow
- Create new jobs while reducing the negative environmental footprint
- Build on the learnings from Genbyg
- Take a step forward on big data – less talk, more action

How?

- Gather a cross sectoral group
 - the municipality,
 - the local management company owned by four municipalities,
 - the local business organization
 - A higher education (academy profession)
- Teach about the circular mindset
- Handle the process in this cross sectoral innovation project
- Defining and shaping the idea
- Involving the business community – three partners connected to the recycling and demolition/decomposition industry and a architect.

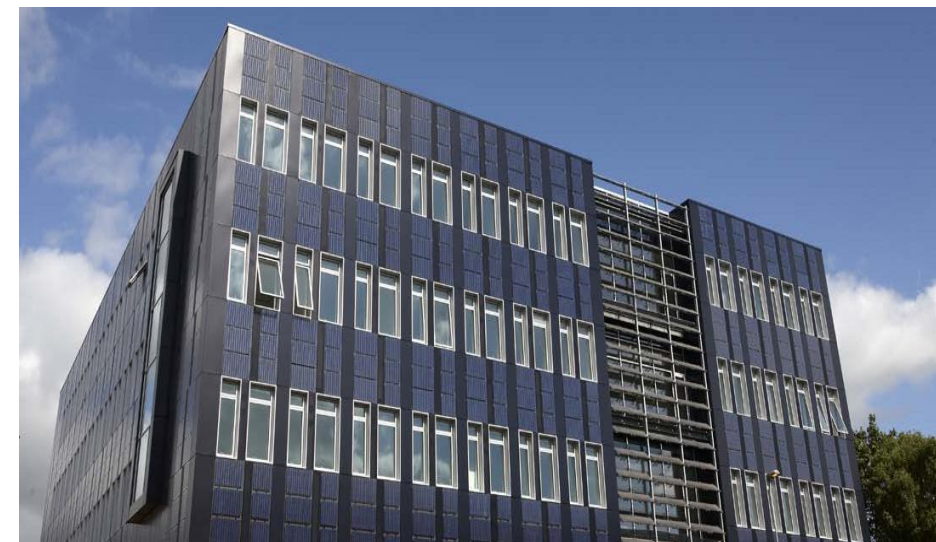
Challenges

- It has never been done before
- Data quality
- Partly dealing with sensitive personal information
- Environmental issues with the building materials

Will we succeed? Yes – we firmly believe we will

Status

- Four business partners joined in the end of August
- Choice of materials for proof of concept is in process
- Will build on the new platform www.danskgenbyg.dk
- Aims at having a prototype that proofs the concept by the end of the year



Skive municipality

- Mid-size municipality ~47.000 inhabitants, 13 times less than Copenhagen, but
- Almost 8 x the geographical size of Copenhagen
- Engaged in a range of development project characterized by cross sectoral cooperation rooted in business



The role of the municipality

- Initiated the project
- Shaped the idea and concept
- Secured 3rd party finance from the Region of Midtjylland
- Hired consultants to support the process
- Project management

Opportunities for cities in CE

1. **Welfare** - Better tools to the service of the citizens
2. **Resources and utility** – new solutions to know problems and new opportunities
3. **Buildings and infrastructure** – Easier to upgrade and maintain; flexibility and effective buildings; higher degree of utilization
4. **Urban development** – Robust, resource efficient liveable cities that optimizes the flow of resources and people through the city
5. **Support and develop local business'** – building capacity, development programs, information, purchasing, political direction.

Thank you

Those who succeed the most
are the ones that start...



Gen·Byg·Data