

## Audio file

### Case study 5

## Transcript

00:00:02 Speaker A

OK.

00:00:02 Speaker A

So here [name of interviewee 1] and [name of interviewee 2] welcome yeah yeah yrself.

00:00:06 Speaker B

Yes this. I am not going to spell it I think because my English is not that great.

00:00:15 Speaker A

But in Dutch [name].

00:00:18 Speaker A

Yes, that's how you raise hand feature.

00:00:23 Speaker A

So and your affiliation of you for this [name of the company].

00:00:30 Speaker A

Yes, I'm the treasurer.

00:00:33 Speaker A

The treasurer.

00:00:36 Speaker A

OK, so the name of the project I.

00:00:39 Speaker A

I mean I said like just I give it in this interview the.

00:00:42 Speaker A

[Name of the project] is.

00:00:44 Speaker A

The office office student housing conversion right like.

00:00:48 Speaker A

Or there is a name?

00:00:48 Speaker B

Yeah, I think that that is how you can explain it.

00:00:53 Speaker B

We call it the office transformation through student housing.

00:00:57 Speaker A

OK.

00:00:58 Speaker B

That's how I will call it too.

00:01:01 Speaker B

External people and.

00:01:02 Speaker A

OK.

00:01:03 Speaker B

I think that's the most.

00:01:04 Speaker B

Clear just the transformation to student housing, that's it.

00:01:10 Speaker A

Yes yes OK.

00:01:12 Speaker A

So first we need to start this for general question before diving so.

00:01:19

I think now.

00:01:20 Speaker A

Your experience with about building?

00:01:22 Speaker A

Transformations and so on, so.

00:01:25 Speaker A

What do you think of the influences or the impact of the circular initiatives in in in this practice? Because here in the Netherlands we have the initiatives for 2050.

00:01:39 Speaker A

If I'm not.

00:01:39 Speaker A

Wrong for becoming fully circular, so do you see that it has an impact for in the.

00:01:44 Speaker A

Building industry general.

00:01:46 Speaker A

I mean.

00:01:48 Speaker B

I think it depends because we went to a Congress last month and.

00:01:56 Speaker B

They all talk about.

00:01:57 Speaker B

Circularity and that they will implement it, but in reality I don't think we see it being used that much and you can say that a building is circular and that we can use the materials at the end of the life cycle and reuse it refurbished.

00:02:16 Speaker B

But I think if you really want to implement it.

00:02:19 Speaker B

And use it.

00:02:20 Speaker B

Optimal optimal then there needs to be.

00:02:24 Speaker B

Done a lot more.

00:02:25 Speaker B

In the buildings that are built at the moment.

00:02:27 Speaker C

Yeah, and I also think that.

00:02:31 Speaker C

And we implement circular building technologies, but when you use them, you also have to use them at the end of the cycle of the building, so you have to demount, demolish the building at the end.

00:02:45 Speaker A

Did you catch or sometimes?

00:02:46 Speaker A

Test, yeah.

00:02:47 Speaker A

The people they called decompose the.

00:02:49 Speaker C

Decompose and not just make it.

00:02:53 Speaker C

Sweep the building to grounds and don't do not use the circle materials that are already in.

00:02:58 Speaker B

There yeah I.

00:02:59 Speaker B

Think that ambitions are OK at the start.

00:03:02 Speaker B

But yeah, in the end of 30 years you need to live up to the ambitions that you talk about now, and I'm not sure if people are really doing that, but.

00:03:13 Speaker B

I think circularity is the topic of the past few years.

00:03:17 Speaker B

It already has been a topic for research, but now it's a really public topic and we only can see the implication.

00:03:25 Speaker B

Options in a year or 10 maybe 20-30 years and how it?

00:03:30 Speaker A

So, so if I my understanding like we have initiatives like there's any steps?

00:03:35 Speaker A

Yes, under, let's say many things are saying in the media and the conferences and so on.

00:03:42 Speaker A

But let's say in practice still.

00:03:45 Speaker C

And I think.

00:03:45 Speaker A

There's there's, let's say holes or like still there is there is or there is something needs to.

00:03:52 Speaker B

It's not.

00:03:54 Speaker A

Yeah, it's not that bad.

00:03:56 Speaker B

I, I think people are using it and we try to implement it and we are going to use it.

00:04:02 Speaker B

Only not 100% or of the building like a small percentage. The easy percentage of the building we use it and we will get to.

00:04:12 Speaker A

What we use.

00:04:13 Speaker B

For excepting doors are OK, easy to change, flexible, but you can if you really want to make a building circular from bottom to the top, and I think there are not many buildings that are really.

00:04:28 Speaker B

Yeah using all the materials they can.

00:04:31 Speaker B

To make a circular building for the future.

00:04:35 Speaker A

I see, yeah, I think the second point that also I would like to start the interview with with what do you think about the security in?

00:04:45 Speaker A

And building transformation when it comes to the property market, like the real state.

00:04:49 Speaker A

Because now actually you you're somewhat involved in the real set.

00:04:52 Speaker A

Do you see?

00:04:53 Speaker A

That there is a kind of awareness that our building transformation really something contribute to security in the building industry or in the like in the building industry.

00:05:05 Speaker A

Like what?

00:05:08 Speaker A

Power industry or in the fast food?

00:05:11 Speaker A

Is there a noise at all when we transform?

00:05:13 Speaker A

There is a kind of contribution for circularity.

00:05:16 Speaker B

I well, I think only the specialists use it in a proper proper and the best way, but because it's not.

00:05:28 Speaker B

It costs a bit of money at the moment, and it's not really when.

00:05:36 Speaker A

So it's not in the mind of the people in the OR in the pot.

00:05:39 Speaker A

Is in.

00:05:40 Speaker C

The mind of the people, but I think.

00:05:41 Speaker C

The money aspect is 1.

00:05:43 Speaker C

Big part of.

00:05:44 Speaker C

Why you don't see this match now, because.

00:05:47 Speaker C

It's not profitable at the moment.

00:05:50 Speaker C

And I think that everyone tries to implement it in their.

00:05:54 Speaker C

Building the Indians.

00:05:56 Speaker C

It gets the money.

00:05:57 Speaker C

That kind of makes the world go round, so you need the investment will be profitable.

00:06:03 Speaker C

Otherwise you're losing money on something that's good for your environment, but not for you.

00:06:08 Speaker B

I mean we have a few green companies who apply it and use it and promote it, but that's just a small.

00:06:15 Speaker B

Part of the property market and or other smaller companies that just want to make profit and keep their business running.

00:06:24 Speaker B

They want simplified if it is too much effort or not profitable.

00:06:29 Speaker A

Yeah, and I remember 1.

00:06:31 Speaker A

Exactly because actually I shouldn't really talk because I I'm here to listen from you, but because actually it's something that we have when we had our first meeting with the Omar and he talked that second hand materials are used not because security, but because they are cheap.

00:06:48 Speaker C

Yeah, that's the problem with, for example doors.

00:06:52 Speaker C

It's cheaper but you are also circular.

00:06:55 Speaker C

So then the investor doesn't care as much about it, so they don't lose money, and they're circular so.

00:07:04 Speaker C

It's a win.

00:07:04 Speaker B

Win, it's a bit, I think, why?

00:07:05 Speaker A

I went with it.

00:07:08 Speaker B

People are using circularity is.

00:07:11 Speaker B

Leaders because they can say look at how good I am and look at.

00:07:17 Speaker B

I am sustainable for future and it's good for the company name and maybe that's even more important than they really give about our own construction.

00:07:30 Speaker B

But that's just.

00:07:31 Speaker B

In general, I don't think or projects in particular, but.

00:07:35 Speaker A

This is actually something that surprised me that many people are using circularity for a reputation purpose.

00:07:45 Speaker A

Yeah, and actually when we talk about it, actually it's I'm not with with with initiatives, but I just started the interview with this part because it's very important to think about that.

00:07:55 Speaker A

But many people, they also say that initiatives make sense, but sometimes people they use it just maybe for merchandising or something or.

00:08:04 Speaker C



Yeah yeah, just same permissions.

00:08:05 Speaker A

Like marketing?

00:08:06 Speaker B

Months, I think in all the new projects.

00:08:09 Speaker B

You everyone say says yeah.

00:08:13 Speaker B

Of course we're building or.

00:08:14 Speaker B

Or protect the circular and then we are like wow yeah, everyone says that.

00:08:19 Speaker B

Can you specify that?

00:08:21 Speaker B

No, it's just yeah.

00:08:22 Speaker B

Purchase the circular.

00:08:25 Speaker B

Yeah, don't.

00:08:27 Speaker B

I don't know if that really.

00:08:29 Speaker B

Works, but I guess there's a general opinion about circularity and it should be used.

00:08:35 Speaker B

Is there, and I guess the more people?

00:08:38 Speaker B

Talk about it, the better it will become.

00:08:42 Speaker A

Yeah, unfortunately so.

00:08:45 Speaker A

OK, so now actually I will move to the core part which actually you have it because I told you that this interview has, uh in the Core 2 fold aims.

00:08:57 Speaker A

The first thing is to validate my my my my my theoretical study.

00:09:02 Speaker A

That I did in the first.

00:09:04 Speaker A

And my literature framework, and I think I shared it with you, but I am I or is just to take it to solicit or like get your your experience then I I will later on compare it and see to what extent.

00:09:16 Speaker A

And the second purpose is to explore.

00:09:18 Speaker A

This is going on in the project that you.

00:09:20 Speaker A

Are doing right.

00:09:21 Speaker A

Now, so first let's talk about the first start.

00:09:24 Speaker A

So the the validation of my validation worked about validation.

00:09:28 Speaker A

I'm not sure if you're familiar with that is like you check the.

00:09:31 Speaker A

Validity of your understanding because in the first year I worked in theoretical study literature, everything and I came up with initial understanding how building is circular and adaptable and how the transformation of building can be flexible or like transferable and circular.

00:09:52 Speaker A

So, but for sure, like in research, we shouldn't rely on theories or like and.

00:09:57 Speaker A

We should really listen to people in the industry.

00:10:01 Speaker A

So now this is the first part that I would like to start with.

00:10:04 Speaker A

So according to your practice.

00:10:06 Speaker A

How do you think the integration between?

00:10:10 Speaker A

The the we called actually adaptability if you are not fully familiar with the term adaptability, it's something we called flexibility transform ability and also circularity.

00:10:23 Speaker A

So flexibility, like when.

00:10:24 Speaker A

You use like.

00:10:26 Speaker A

For instance, a movable building system, scalable.

00:10:33 Speaker A

System those are things for adaptability and security.

00:10:37 Speaker A

Like you know, like the materials the reels you close the loop.

00:10:41 Speaker A

You avoid any waste.

00:10:42 Speaker A

So according to understanding how.

00:10:47 Speaker A

When we talk like what flexible or like adaptable and circular building how it looks like.

00:10:55 Speaker B

I think it in two ways.

00:10:58 Speaker B

That was the first two I came up with and the first one is.

00:11:01 Speaker B

Like in the interior.

00:11:03 Speaker B

And when you're talking about about.

00:11:04 Speaker B

The flexibility and the open layout of a building.

00:11:08 Speaker B

And then all the.

00:11:09 Speaker B

Inside walls you can.

00:11:13 Speaker B

We change from place or.

00:11:14 Speaker B

Right?

00:11:16 Speaker B

Transfer to order location.

00:11:18 Speaker B

So for the interior I think open layout is the best way to use the circularity and adaptability.

00:11:26 Speaker A

And now we.

00:11:27 Speaker A

Are talking about the open building approach.

00:11:28 Speaker B

Yeah, I don't know from building approach of course, but I think the other one is for that outside and maybe it could be modularity and like the modular building blocks that everyone is using now that they are creating in the fabric.

00:11:46 Speaker B

And maybe even after 10 years transferred to over location and it could be seen as circular as well.

00:11:54 Speaker B

So that's how we will see it from.

00:11:57 Speaker B

And do the.

00:11:58 Speaker B

Two different experience.

00:11:59 Speaker B

The interior and exterior.

00:12:01 Speaker B

Maybe something in.

00:12:01 Speaker A

Very nice.

00:12:02 Speaker B

Mind as well.

00:12:03 Speaker A

No, but to be honest I haven't thought about.

00:12:05 Speaker A

It like here and exterior.

00:12:07 Speaker A

It's wonderful and my theoretical say I haven't think about it like we just say say it like what, what, what but it's very nice, like interior and exterior.

00:12:16 Speaker A

So is there?

00:12:18 Speaker C

Nothing to answer.

00:12:20 Speaker B

Yeah, yeah, we wrote it.

00:12:22 Speaker B

Down with the two of us a bit.

00:12:23 Speaker A

Yeah, yeah, but I.

00:12:25

Mean we use.

00:12:26 Speaker B

Our good words.

00:12:27

Yeah no.

00:12:28 Speaker A

Really I'm I'm I'm I'm.

00:12:28 Speaker A

I mean, I'm, I'm so grateful because it's it's.

00:12:30 Speaker A

It's really not nice way to to see it, but I mean when I see those we are now talking about other tools but at the end you mentioned circles.

00:12:39 Speaker A

So like you remove it and for instance move it to another body.

00:12:43 Speaker A

Is there any something?

00:12:44 Speaker A

But also how also security can be in this?

00:12:48 Speaker C

I think when you want to.

00:12:50 Speaker C

To implement circularity, you have to have a standardized.

00:12:56 Speaker C

Building map it as it was because every time.

00:13:03 Speaker C

The measurements in a.

00:13:05 Speaker C

Room change so the the distance between the door.

00:13:11 Speaker B

Yeah, are they used to?

00:13:11 Speaker C

North prices and the height and every time a specialist has to adjust the door to fit in that position.

00:13:18 Speaker C

But if you have standardized building methods, so standardized or standardized, windows is.

00:13:24 Speaker C

Far easier to implement.

00:13:26 Speaker C

Circular windows or doors because you can take.

00:13:29 Speaker C

A window from one building.

00:13:31 Speaker C

And put it in another one because it's a standardized measure and that's I think when you look at the adaptability and circularity, you have to have standardized things.

00:13:44 Speaker B

And I think it already has.

00:13:46 Speaker B

Been applied in the past 50 years.

00:13:48

I've been.

00:13:49 Speaker B

You have standard measurements, but.

00:13:51 Speaker B

You really need strict parameters that will be used in general for order for the interior of buildings between the exterior.

00:14:01 Speaker B

It's a different part and architects will go wild, but.

00:14:03 Speaker A

Yeah, yeah.

00:14:07 Speaker A

I couldn't really comment till after the interview, but I'm happy with your answers.

00:14:12 Speaker A

For my theory.

00:14:14 Speaker A

Yeah, so thank you so much.

00:14:16 Speaker A

Yeah, so now regarding these second questions, what are the now we we say like these things?

00:14:22 Speaker A

Like standardized interior and so something that we call like in my theoretical selling points.

00:14:28 Speaker A

We will keep in touch later on, but I called determinants so but now we we need like examples and you also reflect examples, but here I want to listen more like you mentioned like.

00:14:40 Speaker A

Use standardized systems.

00:14:42 Speaker B

Yeah, I think detach ability so.

00:14:44 Speaker A

Yeah, what?

00:14:45 Speaker A

Are these strategies like when we are told what strategies is very important like it's actions or solutions?

00:14:51 Speaker A

Solutions like systems, but actions something when you use the building when you operate.

00:14:57 Speaker A

So what are the actions and strategy like?

00:15:00 Speaker A

What are the strategies including actions and solutions?



00:15:04 Speaker A

It's very important, like solutions.

00:15:06 Speaker A

It's like our use open building approach, so this is design solution, but actually something like.

00:15:12 Speaker A

Process like first.

00:15:13 Speaker B

Uh, I think what I said here.

00:15:16 Speaker A

This is.

00:15:17 Speaker B

I don't know.

00:15:18 Speaker B

That this works for it, it's subsidies from the government, government checks for funds for change.

00:15:25 Speaker B

Not a great action or solution that a private company can do, but I think that would change the bigger picture of it when they will funds like a circular approach, because I don't think it's always profitable at the moment and that's why the small companies won't do it and.

00:15:45 Speaker B

It's a systematic problem that should be changed by the governments. If you really want implement they get to the goal of changing it in 2015.

00:15:57 Speaker C

Yeah, and I also think that one of the actions you can look at is that when you look at the.

00:16:06 Speaker C

The integration of the two that you look at the future because Circolare and.

00:16:13 Speaker C

A dentist.

00:16:15 Speaker C

Billing methods or?

00:16:20 Speaker C

So color me.

00:16:22 Speaker B

And I sustainable.

00:16:24 Speaker C

Are are for longer periods.

00:16:27 Speaker C

You can use them and not the short period that the building is actually issues because in office building isn't being used for as long as one element building elements can be used.

00:16:38 Speaker B

We should consider what life delights spanning.

00:16:40 Speaker C

The life span of the building.

00:16:43 Speaker B

And if you think the use of the building, how it's going to be used, if that will change in a year or 10, and if the materials you use you are using and the layout you're using can.

00:17:00 Speaker B

Yeah, it can change when the time is needed when the building will have a difference.

00:17:09 Speaker A

Yeah no no.

00:17:10 Speaker A

So we called the design for life cycle but life cycle.

00:17:14 Speaker A

Yeah, but now we talked.

00:17:17 Speaker A

We talked more about.

00:17:18 Speaker A

So actions so solutions.

00:17:21 Speaker A

Just for example, when we talk about the solutions for circular and adaptable building, you talked about it actually in the last questions, but if you need for instance, you say like open building, you say standardization.

00:17:34 Speaker A

You said like prefabrication or even something like that.

00:17:38 Speaker A

So is there because?

00:17:40 Speaker A

Also, I will ask you then about the project, but if there is something to add because it won't come to that later on, but just if you say like key, let's say key strategies.

00:17:51 Speaker A

Our key solution that should be implemented to make the building.

00:17:57 Speaker A

Basic solutions.

00:18:02 Speaker B

Do we need more solution than this?

00:18:04 Speaker B

I'm not sure.

00:18:09 Speaker C

I think we.

00:18:11 Speaker B

Already told all his creations, but it was because of our projects and how we are using that and.

00:18:17 Speaker C

Yeah, yeah.

00:18:19 Speaker C

I think a lot of the circular solutions I have are with the project lines, so when I think about death it's a.

00:18:25 Speaker A

OK.

00:18:30 Speaker C

Mostly when you talk through the.

00:18:35 Speaker C

It goes through the constructor.

00:18:35 Speaker A

For three months.

00:18:37 Speaker C

That they say we have specific.

00:18:39 Speaker C

And building method and we need to have decent disk specific measurements and I think one solution is that all the constructs together are using one standardized.

00:18:54 Speaker C

So you there in that last question, well standardized measure for.

00:18:55 Speaker A

OK.

00:19:00 Speaker C

For example, all the door so everyone can use the door from the building next door and put it in the next round.

00:19:07 Speaker B

If I can open up the discussion about it.

00:19:09 Speaker B

For obstacles as well because.

00:19:11 Speaker B

I support this, but I think maybe there are.

00:19:16 Speaker B

I think there are already too many rules for building.

00:19:20 Speaker B

Thank you.

00:19:21 Speaker B

Like the government want to implement, a standardized system Stellaris parameters that can only lead to a lot more problems.

00:19:30 Speaker B

At the moment, Sir, or almost wrecked constructors and the Netherlands or Europe go at same time make faithful group as hey yeah, we're going to use.

00:19:41 Speaker B

Save parameters that that will not happen, and I don't know how we can yeah change those measurements.

00:19:50 Speaker B

Everyone will.

00:19:51 Speaker B

Do the same.

00:19:53 Speaker B

I I don't know if.

00:19:55 Speaker B

It's possible to make rules.

00:19:58 Speaker B

It feels like.

00:19:59 Speaker B

It's a it's a P or so, yeah.

00:20:02 Speaker C

I had time to.

00:20:03 Speaker B

And I don't think that exists so.

00:20:08 Speaker C

Yeah, yeah I cannot.

00:20:10 Speaker B

Maybe we should think in smaller solutions.

00:20:13 Speaker A

Yeah, well we called two way approaches.

00:20:16 Speaker A

Bottom up, top down so the market and the governments or like the legislation the legislative organizations to work together.

00:20:18 Speaker B

Yeah, yeah.

00:20:26 Speaker A

The first point that I would like to discuss when I'm also now we are still in the.

00:20:32 Speaker A

The theory and like how so?

00:20:35 Speaker A

What are the things that could enable for or like mix, adapt like I I think you mentioned now something but I I want to say when we are talking about enablers, the things that facilitate or pave the way.

00:20:52 Speaker A

Uh, for for for the concept that our in our mind or the practice.

00:20:58 Speaker A

So what are the the enablers?

00:21:03 Speaker A

That facilitate the implementation of circular and adaptable buildings.

00:21:10 Speaker A

Right, uh?

00:21:11 Speaker A

Or like sorry circular and even.

00:21:14 Speaker A

Circular and adaptable, even building transformation for instance.

00:21:19 Speaker A

For instance, you mentioned like a legislative at legislations, and so on.

00:21:23 Speaker A

But you had in mind that other things that may that.

00:21:28 Speaker B

I already said a top down approach.

00:21:30 Speaker A

OK.

00:21:31 Speaker B

I'm I'm not sure it works, but the boredom approach.

00:21:36 Speaker B

I won't think about it.

00:21:38 Speaker C

I think.

00:21:41 Speaker C

Maybe a little bit is the same as.

00:21:44 Speaker C

The questions in the beginning.

00:21:46 Speaker C

It all starts with funds because eventually the most companies want to make money.

00:21:52 Speaker C

But also I think the upcoming housing crisis is one of the main key factors that is driving this whole new transformation.

00:22:03 Speaker C

Faking buildings.

00:22:05 Speaker C

And here we go.

00:22:07 Speaker B

Just no.

00:22:09 Speaker B

Maybe you should train or make better scholarship for the constructors that they are.

00:22:18 Speaker B

They have more knowledge about how to use circular materials and how they can construct different parts.

00:22:25 Speaker B

And if you use it in this course.

00:22:29 Speaker B

They will have the knowledge needed for new buildings to make it make it that way and then like there faster says we want to do it that way and go stricter says yes but.

00:22:42 Speaker B

I have an.

00:22:42 Speaker B

Even better approach to make it sustainable and detachable, and then they have the knowledge.

00:22:49 Speaker B

Instruct the constructors about.

00:22:51 Speaker B

That then it could be changed from bottom down I guess.

00:22:57 Speaker B

No, yeah, whatever the item.

00:22:57 Speaker A

That's yeah, I haven't thought about that one.

00:23:01 Speaker A

To be honest.

00:23:02 Speaker A

It's very important, like the knowledge sharing or even the knowledge build.

00:23:06 Speaker A

Think education, it wasn't in my mind.

00:23:09 Speaker A

To be honest.

00:23:11 Speaker A

I think it's just a.

00:23:12 Speaker B

Bit of the problems we.

00:23:14 Speaker B

Are having now and not everyone is specialized in.

00:23:18 Speaker B



Yeah, the circular way of building and we already have not enough constructors, so that's another problem, but.

00:23:28 Speaker A

OK, so because now you point.

00:23:33 Speaker A

Things that I will ask about this question so.

00:23:36 Speaker A

Keep in mind is yeah.

00:23:36 Speaker B

Yes yes yes.

00:23:38 Speaker A

Is there anything that makes easier said like bottom up and top down approach training knowledge building?

00:23:45 Speaker A

It's very important that will facilitate the way or pave the way to for that.

00:23:51 Speaker A

Is there something to add?

00:23:52 Speaker A

In that regards or.

00:23:58 Speaker A

Or we can move to the second question.

00:24:02 Speaker B

Yeah, yeah well.

00:24:04 Speaker B

I don't know what they're doing.

00:24:05 Speaker B

Now is that they that Europe gives sustainable.

00:24:09 Speaker B

Goals, but I don't think.

00:24:11 Speaker B

The market implies them fairly well, so I support it.

00:24:17 Speaker B

But I don't think that's.

00:24:19 Speaker B

They make this solution.

00:24:20 Speaker B

At the moment.

00:24:21 Speaker C

I think what can pave the way is if several companies are working together, you have some constructs where a group of companies like 10 or something work together and all their profit goes to one.

00:24:36 Speaker C

Well, the sticking things.

00:24:40 Speaker B

Nonprofit version.

00:24:41 Speaker C

Known spacious organization and they take those money and then divide is available to companies. So when one company's has all the companies have a green task so shared, lower, attentive and all that kind of things. All their product goes to one company and this company divides all their profits for all the 10 companies.

00:25:00 Speaker C

So when someone loses the love and lots of money, they are compensated by the ones that make a little bit more.

00:25:07 Speaker C

Money, but they do not have the.

00:25:10 Speaker C

Huge amount of pressure of creating profit.

00:25:12 Speaker C

That's when you have some shareholders in like beneath you.

00:25:19 Speaker C

So it's about construction.

00:25:23 Speaker A

OK, so it's it's.

00:25:24 Speaker C

What is it?

00:25:25 Speaker A

It's simplified because I get the point, but I want really to express it so.

00:25:28 Speaker A

Is it kind of?

00:25:31 Speaker A

Not even collaboration but partnership with partnership, I think.

00:25:36 Speaker C

That's the.

00:25:38 Speaker C

That's the best order because one company is driven by their shareholders and they decide how the company works and they want the most profit.

00:25:46 Speaker C

Another way to send the data is partnership and divides all there.

00:25:52 Speaker C

Profits even be so.

00:25:54 Speaker C

The ones who are doing a good deal in circularity but make a little bit less profit are compensated by the ones that make a little bit more pressure profit because their business is doing a little bit better or something, but.

00:26:05 Speaker C

They all share in.

00:26:07

I sent them.

00:26:07 Speaker C

A common goal.

00:26:09 Speaker B

Will be a very difficult construction for other companies.

00:26:13 Speaker C

It will be difficult.

00:26:14 Speaker C

Construction, but we spoke at the conference to one company who already works in this way and has a lot of companies that work together and.

00:26:28 Speaker C

It's not a company, I don't know the.

00:26:30 Speaker C

English word for it is.

00:26:31 Speaker B

Yeah, let's call partnership.

00:26:33 Speaker C

Let's let's, uh, partnership and this partnership has a board, but this board is not shareholders, so they they do not have a.

00:26:33 Speaker A

Partnership, yeah.

00:26:42 Speaker C

Do they do not want to profit or something?

00:26:44 Speaker C

But this board is directed by all the companies together.

00:26:48 Speaker A

OK, so like, is it like your role is it?

00:26:52 Speaker A

Just stop it.

00:26:53 Speaker A

Or you're not profit.

00:26:54 Speaker C

Yeah, it's late.

00:26:56 Speaker B

It's not our role.

00:26:57 Speaker C

It's not our row, but it can be something like us.

00:27:02 Speaker A

Like this thing, I like yours, OK?

00:27:02 Speaker C

That's yeah, like affecting that is there?

00:27:05 Speaker C

There, and they devise everything and their boards exist out of the several companies that are.

00:27:14 Speaker A

To really.

00:27:15 Speaker B

I don't think we need to give any more information because that's your job.

00:27:20 Speaker A

Yeah yeah, yeah.

00:27:22 Speaker B

Get that more secrets away.

00:27:25 Speaker A

I don't know what it was.

00:27:26 Speaker A

It's it's very.

00:27:26 Speaker A

It's very interesting.

00:27:28 Speaker A

Yeah, yeah.

00:27:30 Speaker C

Uh, regarding the.

00:27:32 Speaker A

The last question in the in this part, then we move to the next part.

00:27:37 Speaker A

We'll talk about your project.

00:27:39 Speaker A

Because now we talked about many things that facilitate like you say, like bottom and bottom up and top down approach, training, building knowledge partnership.

00:27:51 Speaker A

Those are very, very interesting enablers and and I want to be honest, some of them they they are stated in the literature.

00:27:58 Speaker A

In in in another way or another.

00:28:02 Speaker A

But now it's we will talk about the other way around, the opposite.

00:28:06 Speaker A

So we talk about enables.

00:28:08 Speaker A

What are the things that obstructs, like bottlenecks that maybe stop or or like impede the way of of of doing such kind of projects?

00:28:19 Speaker A

You mentioned something that I I do.

00:28:21 Speaker A

That lack of specialization as specialized.

00:28:26 Speaker A

Constructors or professionals?

00:28:29 Speaker A

What are other like you thinks, I think like.

00:28:36 Speaker A

Barriers or bottlenecks that.

00:28:41 Speaker B

Yeah, I think the industry no hold doesn't have to right knowledge sets yet to implement it in a bigger scale.

00:28:54 Speaker B

Not sure many examples about it that if there will be a general knowledge or general database on how to make a building really easily detachable and used for other thing and people would share their ideas and.

00:29:07 Speaker A

OK.

00:29:11 Speaker B

Maybe it already helps a bit, but then we go to they.

00:29:14 Speaker B

Are not people specialist enough?

00:29:18 Speaker B

The bigger companies, what I the bigger companies have specialists and can do it and can implement it.

00:29:24 Speaker B

But I think the majority of the market is smaller companies on a small scale and they don't have the practical knowledge through.

00:29:33 Speaker A

Uh, use it.

00:29:34 Speaker A

So, so it's a 2.

00:29:35 Speaker A

Fold thing

00:29:37 Speaker A

Lot of specialization specialized people, especially in the small organizations.

00:29:42 Speaker A

But even we can say it in general also and also lack of the knowledge or like data sets or guide guidelines that can really also guide.

00:29:53 Speaker B

Yeah, because.

00:29:55 Speaker B

I don't want to.

00:29:56 Speaker B

Do it to our project already.

00:29:58 Speaker B

But we are like, oh.

00:30:00 Speaker B

Yeah, just use another wall and set it.

00:30:04 Speaker B

In this building, and constructors like man.

00:30:07 Speaker B

You know you need a specialist.

00:30:09 Speaker B

You need a Carpenter and you need.

00:30:11 Speaker B

Other people will cost way.

00:30:13 Speaker B

More in the end and there are.

00:30:17 Speaker B

You would think just sold one program and that's the sustainable circular part, but you create a lot more problems because on the small scale industry that we are talking about.

00:30:28 Speaker A

It's interesting, so is there any other challenge or barriers or bottlenecks you would like to add?

00:30:34 Speaker A

Or we can move?

00:30:35 Speaker A

To talk about your.

00:30:36 Speaker C

Project I think the only bottleneck.



00:30:40 Speaker C

And that is, I think, money still.

00:30:42 Speaker C

Because that's still has.

00:30:42 Speaker A

Hi hi.

00:30:45 Speaker C

Maybe it has something in common with the lack of specialization and other things, but I think it's not profitable at the moment, so that's the biggest barrier.

00:30:53 Speaker A

OK, so the unfeasibility we can call it the unfeasibility.

00:30:58 Speaker A

Oh yeah, OK.

00:30:59 Speaker C

I think that's the greatest barrier at the moment, and I think when that hurdle is taken then then we can come somewhere.

00:31:09 Speaker B

Yeah, and the last.

00:31:10 Speaker A

Ah, that's interesting.

00:31:11 Speaker B

Thing that I wrote here is the the current materials that are used in the current buildings that already existing are not made for circularity.

00:31:23 Speaker B

So we can use materials from current faking.

00:31:28 Speaker B

Buildings and use them in a new way.

00:31:30 Speaker B

But yeah, as he said, the power meters are just not great.

00:31:36 Speaker B

Not exactly what you need.

00:31:38 Speaker B

Means and.

00:31:40 Speaker B

If you create new materials for the next few years, then I guess you can create them circular, but.

00:31:48 Speaker B

Yeah, well, what will be the best and cheapest way is to use materials that are already existing.

00:31:56 Speaker B

But that's way harder to adapt because 30 years ago when they buildings were brought, they were not thinking about circularity.

00:32:05 Speaker A

OK, so we called uh.

00:32:09 Speaker A

Uh, they have a certain English word.

00:32:13 Speaker A

The compatibility of material, so it's difficulty to fit the material.

00:32:18 Speaker C

Yes, and also how they construct things is not in a circular way, so it's not each easily detachable or easily removable because a lot of times it's just put together.

00:32:20 Speaker A

OK.

00:32:23 Speaker A

OK.

00:32:32 Speaker A

So ah, so it's lack of material compatibility and demountable or decomposability.

00:32:40 Speaker B

And if you create like a new building from the ground up, then you can use this circular methods, but it in or.

00:32:48 Speaker B

Sure, yeah yeah. When we.

00:32:49 Speaker B

Are doing transformation and that sort of thing.

00:32:53 Speaker B

It's not from the ground.

00:32:54 Speaker B

Up you need to adjust a kind of circular material inside an array.

00:33:01 Speaker B

Already existing construction, and yeah, it's then.

00:33:06 Speaker B

We go to.

00:33:07 Speaker B

All our programs you need a specialist special, discuss money and just it's not profitable and that's yeah the biggest problem.

00:33:16 Speaker A

I have

00:33:18 Speaker A

Yeah, to be honest I haven't thought about those.

00:33:20 Speaker A

The lack of building.

00:33:23 Speaker A

Demount ability I have read that in the in the literature, but also the compatibility to fit it in the new use.

00:33:32 Speaker A

Also it wasn't there so something new so thanks.

00:33:36 Speaker A

We are discovering your knowledge.

00:33:39 Speaker A

Yeah, is there anything challenges or we can move to talk about the project?

00:33:44 Speaker B

I think we can move forward.

00:33:46 Speaker A

The project, yes.

00:33:47 Speaker A

OK, so let's dive in.

00:33:49 Speaker A

And talk about now, I think interesting about practical things.

00:33:53 Speaker A

Yeah, this.

00:33:53 Speaker B

Maybe I wish.

00:33:54 Speaker A

This part would be more interesting for you.

00:33:56 Speaker B

I think we.

00:33:57 Speaker B

Already talked a bit about practical things.

00:34:00

Yeah, but now.

00:34:01 Speaker A

You know we want to reflect on the project itself, so now everything about like how we discovered first by general knowledge, what's going on then, what makes building adaptable future what really made?

00:34:04 Speaker A

Yeah, yeah.

00:34:14 Speaker A

Facilitate that or what?

00:34:16 Speaker A

But now we won't really reflect on what's going on in the project.

00:34:22 Speaker C

So we will.

00:34:22 Speaker A

Repeat some some questions, but we all the questions we will say like to this project which is now ongoing on price.

00:34:30 Speaker A

So in this project.

00:34:33 Speaker A

Uh, why this project?

00:34:36 Speaker A

First like I want to know is general knowledge why this project is being transformed.

00:34:44 Speaker B

Yeah [interviewee 2 name], you could tell.

00:34:46 Speaker B

Second part of this.

00:34:49 Speaker C

You turn terms.

00:34:51 Speaker C

Vacant office buildings and we ask.

00:34:55 Speaker C

The s s are students that has have.

00:34:59 Speaker C

And so you can get.

00:35:03 Speaker A

Hi apartment, may I come in?

00:35:06 Speaker C

No, no no, it's fine, it's fine.

00:35:08 Speaker A

Yeah no.

00:35:08 Speaker A

But, but because I read that you have.

00:35:10 Speaker A

A2 fold.

00:35:11 Speaker A

Or like 2 purposes like as Americans say like you kill two birds with one stone, you overcome a vacant building but also you meet the shortage in the house.

00:35:21 Speaker A

But this building, why this building?

00:35:23 Speaker C

Right just build OK, this building was the the whole project was empty for a few years or barley empty and we can transform this building with help of the maintain.

00:35:24 Speaker A

Behind it.

00:35:30 Speaker A

OK.

00:35:39 Speaker B

Yeah, with the municipality.

00:35:41 Speaker C

That word with the municipality, yeah.

00:35:45 Speaker A

Yeah, you're right, but.

00:35:48 Speaker A

Yeah, I know now that's true.

00:35:48 Speaker C

Yeah, OK.

00:35:49 Speaker C

And we know students have a little bit of luck with the.

00:35:53 Speaker C

Makes sense because they see that.

00:35:57 Speaker C

Students are doing something for student.

00:35:59 Speaker C

So we can help these investors of the project go through quicker with their plans because they we talked to the lender and say we want to transform these buildings to student housing.

00:36:14 Speaker C

So we solve our own problem, namely the shorts.

00:36:20 Speaker C

And we also help the investors to go quicker with their plans and make sure these buildings aren't empty and losing any money at the moment.

00:36:30 Speaker B

Yeah, last year the investors without us or two years ago already made plans how they could transform these buildings to housing or something and the municipality had a lack of capacity, capacity, lack of capacity and they were like no.

00:36:50 Speaker B

We're not going to change this this space and then.

00:36:53 Speaker B

I'm talking about.

00:36:55 Speaker B

The whole neighborhoods we're not going to change that.

00:36:58 Speaker B

We are looking for changing those plans in a year or 10 because they will focus on another part of the city 1st, and when their capacity has, they can change the capacity from that part when it's finished.

00:37:14 Speaker B

To our part.

00:37:16 Speaker B

And they told investors, yeah, come back to us in 10 years because then we maybe maybe have the time to think about new plans.

00:37:25 Speaker B

And that's where we come in because?

00:37:28 Speaker B

Yeah, they can't make any plans for 10 years and.

00:37:31 Speaker B

Then we go.

00:37:32 Speaker B

In yeah, for the social we want to make for the student housing and be social and make their neighborhoods good and it's temporary for 10 years so we can fit it in and then in the 10 years they can still.

00:37:49 Speaker B

Yeah, create a nice project.

00:37:51 Speaker B

Make it profitable as well as small profit, but make it profitable as well.

00:37:56 Speaker B

And then they can look at at yeah, creating new plans for when the whole neighborhood will change in 10 years.

00:38:06 Speaker B

And that's why we were at the opportune time because the investor just wanted to do something with the project and not have it vacant for next 10 years.

00:38:18 Speaker B

And that's where we could fit in and municipality losses because.

00:38:24 Speaker A

OK.

00:38:24 Speaker A

We are may I ask?

00:38:26 Speaker A

It's it's not part of my interview, but you raised an important point that I become interested in so.

00:38:32 Speaker A

I I knew.

00:38:33 Speaker A

That the building was empty or we called vacant.

00:38:35 Speaker A



So for that reason, you choose that building and you convinced or like you, you are supported by the implemented.

00:38:43 Speaker A

To do to, to, to do that.

00:38:45 Speaker A

But I mean my question is that the commenter has already planned to two for 10 years and you can't.

00:38:54 Speaker A

Within that plan, or.

00:38:56 Speaker C

No, at the moment we came.

00:38:59 Speaker C

In the Manger then had to have a plan.

00:39:01 Speaker C

At all, they were just like well.

00:39:03 Speaker C

But somewhere in the near future come back at us when we have the capacity and we.

00:39:09 Speaker C

Came in.

00:39:09 Speaker A

Capacity and what you mean by the capacities.

00:39:11 Speaker C

Capacity is you have someone to take on the project from inside the native because otherwise.

00:39:19 Speaker C

Out all the rules over there.

00:39:26 Speaker C

The paper words.

00:39:26 Speaker B

People's threats, people, threats, rights paperwork.

00:39:29 Speaker A

I just

00:39:30 Speaker B

Don't have enough people.

00:39:32 Speaker B

So that's capacity.

00:39:33 Speaker A

Ah OK, OK OK so.

00:39:34 Speaker C

See so they don't have capacity to do all the.

00:39:37 Speaker C

Paperwork all the.

00:39:38 Speaker C

Going tracks and everything so they they wait another few years.

00:39:43 Speaker C

Then we can look at your project, but when we can.

00:39:45 Speaker A

What bill?

00:39:46 Speaker C

Thing we do, temporary.

00:39:48 Speaker A

Yeah, you said.

00:39:49 Speaker A

Like in this, in this time we can do something.

00:39:53 Speaker A

Yeah, so you're fine.

00:39:54 Speaker C

Till till the the point you have.

00:39:55 Speaker B

Yeah, I always think they wrote like what they want to do with neighborhoods or neighborhoods and they were. Yeah, at this neighborhood. We start working in it in 2030.

00:40:07 Speaker A

23rd fields.

00:40:07 Speaker B

They that's what they say in their plans and.

00:40:10 Speaker A

So you can feel it for six years at.

00:40:12 Speaker A

Least, now or not.

00:40:13 Speaker B

No, no we can use it for 10, but that's what they just said.

00:40:13 Speaker C

More for seven.

00:40:18 Speaker B

In general, make made public for.

00:40:20 Speaker B

Yeah, we will focus on it only in a couple of years and that's why the investors were like oh now we have a vacant building that we need to supply.

00:40:29 Speaker B

And yeah, really spend money on for upcoming years.

00:40:33 Speaker B

And that's why our solution works pretty well, and temporary transformation and create.

00:40:42 Speaker B

Yeah, it's just a really social adaptable building 4 and we how we called laissons beard, that's fake.

00:40:51 Speaker A

The stunt is vacant.

00:40:52 Speaker B

Yeah, fake it and then the here is.

00:40:56 Speaker A

Outdated I think.

00:41:05 Speaker B

I I don't know how it goes, no worries.

00:41:09 Speaker A

But I mean when you were talking about the plan so so the.

00:41:13 Speaker A

Primitive plan so means like they decompose or like.

00:41:19 Speaker A

They transform generally.

00:41:20 Speaker A

What do you think generally will matter.

00:41:22 Speaker A

What the?

00:41:23 Speaker A

So for sure the neighborhood.

00:41:23 Speaker B

For our new buildings.

00:41:27 Speaker A

Unusual things.

00:41:27 Speaker B

Just two grounds and then brought it up again.

00:41:30

And there's bigger.

00:41:31 Speaker A

And so in this time you did very good way.

00:41:35 Speaker A

So he solved different problems.

00:41:36 Speaker A

Yes, which is awesome cool.

00:41:40 Speaker A

So now we knew that why this building has or is being transformed.

00:41:46 Speaker A

Trianz is interesting for me, but here is the question because now you choose circularity and you said like you're using circular, but we want to know why?

00:41:57 Speaker A

Choose circularity and transforming this police.

00:41:59 Speaker B

Yes, I think there are two main reasons.

00:42:04 Speaker B

First one is that we is for non profit organization that is run by students and maybe students or young people.

00:42:16 Speaker B

And we have the ambitions to really create a project that we are proud and thinking of the future because we are the new generation.

00:42:26 Speaker B

Our own ambitions are that way because I don't think the investor far about using circularity, but we approach them and say.

00:42:36 Speaker B

We have found something new that we could apply to make circular and if we are in chests and they're like, yeah, just find out what you can find.

00:42:46 Speaker B

Find the information you want.

00:42:47 Speaker B

Well then you need some a bit ambitious people that really want to make change.

00:42:52 Speaker B

And yeah, I think the five of us, the students.

00:42:54 Speaker B

Are perfect for that at the moment.

00:42:57 Speaker A

So there's this version that ambitious students.

00:43:02 Speaker C

Ambitious students.

00:43:03 Speaker A

And no matter.

00:43:04

Yeah yeah no.

00:43:05 Speaker C

Not driven by profit or anything.

00:43:06 Speaker A

Yeah, OK.

00:43:07

Yeah, I think.

00:43:08 Speaker B

Students is not necessary, but it helps because we know that it is our future that we need to think about and we have some new ideas about why circularity is so important in comparison to the old old people.

00:43:26 Speaker C

Yeah, yeah.

00:43:27 Speaker A

Very important.

00:43:29 Speaker B

Yeah, you have to order one right there.

00:43:30 Speaker C

Second reason I think is because our temporary transformations are for 10 years and building materials last longer than 10 years, mostly.

00:43:41 Speaker C

So when you use new materials, it's just a waste of material.

00:43:45 Speaker A

OK.

00:43:45 Speaker C

Actually, because you use the material that could have been used.

00:43:49 Speaker C

For 25 years, but when you reuse or use circular materials, you can use it in another building, maybe not.

00:43:55 Speaker C

Our project is another project that is also using them for a temporary time or maybe for as long as the.

00:44:04 Speaker B

Yeah, I get if you create a.

00:44:06 Speaker B

New building away.

00:44:07 Speaker B

For life span that they think I get 50 years then I get it.

00:44:12 Speaker B

You want to use new.

00:44:16 Speaker B

New materials, and if you think the materials lifespan are 50 years as well and then they need to recycle or something.

00:44:24 Speaker B

Maybe circular isn't.

00:44:27 Speaker B

Too good of an ambition at.

00:44:29 Speaker B

That moment, but for 10 years or project is perfect for this kind of shared so.

00:44:35 Speaker A

I would say that.

00:44:36 Speaker A

You realized over the you realized or you found out.

00:44:42 Speaker A

But the timeline that you have for your project like.

00:44:48 Speaker A

Tells you that you can go for security and reuse their material.

00:44:54 Speaker B

Yeah, I think.

00:44:56 Speaker A

Is that my understanding?

00:44:56 Speaker B

Yeah yeah yeah I.

00:44:58 Speaker B

I think we are going to go far in it but a big problem is that people don't look in the future that much and.

00:45:06 Speaker B

And if the lifespan of the building is 50 years, people say of course it's circular, but I don't think they realize they are.

00:45:14 Speaker B

And then, yeah, I'm not at the end of the life cycle, and 10 years is still a long time, but you can really make already make plan for how.

00:45:25 Speaker B

You want to.

00:45:27 Speaker B

Detached the building in 10 years already.

00:45:29 Speaker B

It's in four.

00:45:32 Speaker B

Voting types not that far ahead, and then you can really plan for future and for new new buildings.

00:45:40 Speaker B

Planning for future is way harder because you don't know what the future will bring.

00:45:44 Speaker B



10 years we probably use some of the same materials 30 years.

00:45:48 Speaker B

I'm not sure.

00:45:50 Speaker C

Yeah, and I think the certainty that this building the life cycle of the building as it is now will end because we have time for every.

00:45:51 Speaker A

Right?

00:46:01 Speaker C

The contracts and after 10 years.

00:46:05 Speaker C

It's stuff so you know it will be dismantled and.

00:46:08 Speaker C

The transforms or remove demolished old so you know it is important to use circular materials now because in 10 years it will be removed.

00:46:10 Speaker A

Good morning.

00:46:19 Speaker B

It will be a waste.

00:46:19 Speaker C

In some way.

00:46:21 Speaker C

So otherwise it will be ways.

00:46:23 Speaker C

So then circular and circular approach is the best thing you can do because yeah.

00:46:28 Speaker C

You have to search at the end when you do something new, but make a new building you don't know how long it would last. It maybe 50 years, maybe 100 years maybe.

00:46:37 Speaker C

As long as it's.

00:46:38 Speaker B

We don't know exactly how.

00:46:40 Speaker B

Long or building.

00:46:41 Speaker B

Will last in other conflicts 10 years.

00:46:44 Speaker B

It says that I wouldn't be surprised if in 10 years they are just another five years.

00:46:53 Speaker B

Why not?

00:46:53 Speaker B

So yeah.

00:46:55 Speaker C

It's not for sure.

00:46:56

Right?

00:46:56 Speaker C

It's not written in stone or something, but it's something you keep in mind like it's standard so.

00:47:03 Speaker C

Somewhere in the near future.

00:47:06 Speaker A

That's cool, so the timeline was really interesting but but but just under question so I can ask later because I should really be struck a bit more structured, but most secure projects, because when I was looking for your precious used like the detailed title title like, which is temporarily.

00:47:24 Speaker A

Yeah title, so all your projects are titled.

00:47:27 Speaker A

For 10 years out.

00:47:29 Speaker B

Yes, at the moment they are.

00:47:32 Speaker B

The existing projects are temporary and yeah, the current project that we are doing is temporary, but we are using our rule.

00:47:42 Speaker B

Rule that it can be used for 10 years with an easier contract.

00:47:47 Speaker B

I think that's the best part.

00:47:48 Speaker B

Say it, but as never being used we were pioneers and that's why at the end of the life cycle we probably will sit with the municipality and order.

00:48:01 Speaker B

Part is to think about the future of the project.

00:48:04 Speaker B

So in the contracts now assessed temporary.

00:48:07 Speaker B

But that does not mean it ends at 10 years.

00:48:11 Speaker B

It just means we need to reconsider if we need to.

00:48:14 Speaker B

To make it more sustainable, just give it a better energy.

00:48:20 Speaker B

Be a virgin label.

00:48:23 Speaker B

Yeah, so yeah I think contractual.

00:48:27 Speaker B

It is the end of 10 years but yeah.

00:48:31 Speaker B

With the current housing crisis.

00:48:33 Speaker A

You may go yeah.

00:48:33 Speaker B

I think if everyone is looking the same way and everyone wants the same thing, we will and can expand.

00:48:41 Speaker B

You go along here, yeah?

00:48:42 Speaker B

Go longer course.

00:48:44 Speaker C

The proceeder

00:48:45 Speaker C

Procedure we use is there since 2014, so the first one who uses aren't at the end of their.

00:48:55 Speaker C

10 year period.

00:48:56 Speaker C

That will be in.

00:48:57 Speaker C

Two years and I think from that moment we will see what this rule is actually raised.

00:49:03 Speaker A

Is that one that used to be?

00:49:05 Speaker A

I saw a map for them and even I visited my colleague.

00:49:08 Speaker A

She was there one time.

00:49:09 Speaker A

Is that one?

00:49:10 Speaker A

The first project that you it was the like the one floor yes.

00:49:14 Speaker A

I just I went this, it was good place.

00:49:17 Speaker B

Yeah, you have the tower and then first floor besides it.

00:49:19 Speaker A

Yeah yeah, yeah yeah.

00:49:21 Speaker A

And once you transform, yeah yeah yeah.

00:49:23 Speaker B

Yes, I think a whole year off to each other, yeah.

00:49:27 Speaker A

So now we got in this project I I when we met before yours he he told me that even I noticed that.

00:49:38 Speaker A

You used circular body transformation and I knew some of those strategies, but maybe you you can add on or you can say that.

00:49:46 Speaker A

I remember you mentioned that you use second hand material.

00:49:50 Speaker A

You also use the kind of two way reuse and supply.

00:49:55 Speaker A

Oh real model I think.

00:49:56 Speaker B

Yeah, that's how.

00:49:58 Speaker B

I think it is that we are talking to a company and that the materials we don't use that they can have it for free and then order projects somewhere else and we can use their materials that they don't use.

00:50:14 Speaker B

And if you.

00:50:15 Speaker B

Have a in between men who has a database.

00:50:18 Speaker B

Of all the materials and the materials of.

00:50:22 Speaker B

Yeah, some purchase to needs and or projects doing it then you can.

00:50:26 Speaker B

So yeah, give it to each other.

00:50:28 Speaker A

Yeah, so the the extra material you didn't throw it, you ask the company you said like take it for free free.

00:50:36 Speaker A

And sell it or like.

00:50:38 Speaker B

Yeah, I don't know if we were going to so it's still at at the moment.

00:50:42 Speaker B

We're talking with all the different parties so I don't have a clear image how we are going to do it, but the general rule is that just give away what you can because you don't want to throw it away if you need to throw it away.

00:50:57 Speaker B

Yeah, this is.

00:50:57 Speaker B

Always, and if the order project can use it, just give it away for free, because that's always better.

00:51:02 Speaker A

Ah, so.

00:51:05 Speaker A

So that's it, OK.

00:51:07 Speaker A

And also you say like you used or also like reuse.

00:51:12 Speaker A

Most scalable and soundproof wall walls.

00:51:19 Speaker B

Yeah, it is still a bit right.

00:51:23 Speaker B

A bit though.

00:51:24 Speaker B

We use reuse I think now the doors and toilets and that sort of modular stuff, mostly because that's.

00:51:35 Speaker B

The the easiest to adapt and we at the moment that we thought we wanted to use user reuse walls as well, but we are still.

00:51:48 Speaker B

We are so not sure if that is.

00:51:49 Speaker A

OK.

00:51:49 Speaker B

Possible for that?

00:51:51 Speaker B

Because of economic reasons, because what I said, if you have a wall and the measurements are not exactly right that you need, especially a Carpenter to make all the walls especially exactly right, and that just cost way.

00:52:05 Speaker A

Ah, ah.

00:52:07 Speaker B

Too much so.

00:52:08 Speaker A

Maybe the versible wall?

00:52:11 Speaker A

Did you get them cheap?

00:52:13 Speaker A

Yeah, to fit them.

00:52:15 Speaker A

You will.

00:52:15 Speaker C

Far fresher and specialist.

00:52:16 Speaker A

You will need to either.

00:52:17 Speaker B

Yeah, you need to drop her corpse.

00:52:19 Speaker B

There and they cost a lot of money.

00:52:20 Speaker B

And then it's just.

00:52:22 Speaker B

It costs way more and then.

00:52:24 Speaker B

Yeah, we need to convince her investors real good.

00:52:28 Speaker B

At it this way so.

00:52:30 Speaker B

How we are looking at it now.

00:52:31 Speaker B

It's all the more.

00:52:33 Speaker B

Easily changeable things like the doors, the toilets, sinks, and there's still a lot of things that you can use for modern buildings and give away to other buildings, but.

00:52:47 Speaker A

So may I interrupt you.

00:52:49 Speaker A

So like the toilets and the called we call them the toilet fixtures like the the the water closet and the sink.

00:52:57 Speaker A



Or the laboratory.

00:52:58 Speaker A

They are you, you're gonna use second hand one I think.

00:53:06 Speaker C

And I also think that.

00:53:08 Speaker C

There are moves as much as you think.

00:53:11 Speaker C

Because one of the.

00:53:12 Speaker C

Most important actions we used to be circular as it is in this item phase.

00:53:19 Speaker C

We look at the floor plan, set it as was.

00:53:23 Speaker C

And we try to fit in all the rooms like that.

00:53:27 Speaker C

Most of the walls from for example all the web rooms like showers.

00:53:35 Speaker C

Kitchen toilets can stay the same, so you do not have to change.

00:53:39 Speaker C

The walls that match.

00:53:40 Speaker C

The walls that are.

00:53:40 Speaker A

OK.

00:53:41 Speaker C

In the correct place can stay there.

00:53:43 Speaker C

Some will need to be removed.

00:53:46 Speaker C

The When you have an office building there are a lot of rooms already, so you can.

00:53:52 Speaker A

Yeah, so so you returned your attend or you you kept as.

00:53:58 Speaker A

As much as.

00:53:59 Speaker B

You can yeah order order maps for all four plants.

00:54:00 Speaker A

OK.

00:54:04 Speaker A

Yeah, so you prolonged or even you you try to keep.

00:54:07 Speaker C

Them yeah, we try to keep them because it's less ways.

00:54:08 Speaker A

Right?

00:54:11 Speaker A

OK.

00:54:11 Speaker C

Those when you remove that bullet will waste.

00:54:14 Speaker C

Probably because these walls aren't meant to be reused, and when you keep them in place, there's also less material needed to.

00:54:14 Speaker A

For sure.

00:54:24 Speaker C

Build all the rooms because the wall is already.

00:54:26 Speaker A

There, yeah, you are right.

00:54:28 Speaker A

I, I mean those these strategies that I remember we had long time ago.

00:54:32 Speaker A

Is there any other strategy that you are taking into account or like we are going to implement or you are implementing them?

00:54:40 Speaker C

Yeah, I think the biggest one is the one that we ask a contractor to take out it once they once.

00:54:48 Speaker C

For free or also you know charges for demolished and diminishing the plays, and they reuse them and we get new materials from another partner and when they take them maybe we get.

00:54:52 Speaker A

It's OK.

00:55:00 Speaker C

And Umm.

00:55:00 Speaker A

So you do exchange.

00:55:02 Speaker C

There maybe exchange or gets smaller.

00:55:09 Speaker C

You pay a little bit less money.

00:55:10 Speaker A

OK, OK here.

00:55:11 Speaker C

I don't know that sixth English is.

00:55:13 Speaker A

So you sometimes you exchange my table like you give material to the yeah.

00:55:17 Speaker C

I think maybe it will be the blend as they take our doors and we get doors back because.

00:55:23 Speaker A

Which she.

00:55:25 Speaker B

They take or walls or or lights in the weekend or sinks and.

00:55:30 Speaker B

Toilets return and then both projects can profit and because we have three different breweries as well for our projects, we can exchange certain type of materials between or free.

00:55:45 Speaker C

The benefits.

00:55:45 Speaker B

We have three buildings as well.

00:55:46 Speaker A

So you exchange, so you give the contractor or local these suppliers like the for instance the lights and and you get something in return member care.

00:56:00 Speaker A

I was so thrilled.

00:56:02 Speaker B

Yeah, but we are at the moment in this process and.

00:56:05 Speaker C

Yeah, we're also making all the details files.

00:56:06 Speaker B

With our order board we have order.

00:56:08 Speaker B

Board members specialists in this he could not be here.

00:56:11 Speaker B

But yeah, we are talking with different companies.

00:56:15 Speaker B

How we can implement those face the best for yeah and not, uh?

00:56:20 Speaker B

Much more not too much money.

00:56:22 Speaker A

Yeah, that's important.

00:56:24 Speaker A

Is there any other strategies that also implemented or those are the key things?

00:56:28 Speaker B

No, there's certain key things we thought about.

00:56:28 Speaker C

Fingers searching days yeah.

00:56:32 Speaker A

Yeah, for flexibility adaptability.

00:56:34 Speaker A

Do you use something?

00:56:37 Speaker A

Related to that, other than the scalable walls.

00:56:42 Speaker B

Uh, no.

00:56:44 Speaker B

What we wanted to employ and would be the best thing to implement.

00:56:49 Speaker B

If you use walls that can be detached in 10 years very easily, but I think we are going.

00:56:57 Speaker B

For more materials that are at the end of the life cycle in 10 years, so we try to implement that strategy.

00:57:03 Speaker A

Ah, OK.

00:57:09 Speaker B

Instead of that, use new materials and make it really detachable.

00:57:13 Speaker B

Have to use it too.

00:57:15 Speaker B

For a difference.

00:57:15 Speaker A

OK, OK.

00:57:17

Let's see.

00:57:17 Speaker B

So I think that's our focus points.

00:57:20 Speaker A

So, so the flexibility is only to say the scalable wall, and it's not that many and projects, yeah.

00:57:28 Speaker B

Yeah, yeah, I know our projects at the moment is not that flexible anymore because if we set the walls, I don't.

00:57:38 Speaker B

Yeah, for 10 years it will be the same layout and you can maybe make it a bit open, but it's not necessary because our project is for 10 years and in.

00:57:48 Speaker B

10 years they will not change enough and if you make 50 years

00:57:52 Speaker B

They don't open.

00:57:53 Speaker B

They're it's been necessary, I think, because then the use of the building will change in the years, but for 10 years it's just a small life.

00:58:04 Speaker C

And at the moment the building already had an open floor plan because it's an office building, so.

00:58:09 Speaker A

OK, so it has already opened down there.

00:58:11 Speaker C

Yeah, it is actually an open floor plan as.

00:58:15 Speaker C

It was so.

00:58:15 Speaker C

Only the structural beams and columns are in there.

00:58:19 Speaker C

But we are.

00:58:20 Speaker C

Only putting small walls between them that are for all the rooms there.

00:58:25 Speaker A

You I can consider this one so you're.

00:58:27 Speaker A

Using even lightweight like.

00:58:29 Speaker C

Yeah, I think it's lightweight.

00:58:31 Speaker A

Wolves OK?

00:58:31 Speaker C

Poles that are just for the noise and for.

00:58:34 Speaker A

OK.

00:58:35 Speaker A

This this one is very important.

00:58:37 Speaker B

Yeah, that's why I'm [name of interviewee 2] is here.

00:58:37 Speaker A

Because this one is adaptable.

00:58:38 Speaker A

Yes it is.

00:58:40 Speaker C

Yeah, we have.

00:58:42 Speaker C

Also Wayne tackles out to.

00:58:44 Speaker C

All the walls you are left.

00:58:46 Speaker C

With only the construction then you have an open floor plan.

00:58:48 Speaker A

Yeah OK material OK.

00:58:54 Speaker A

Yeah, that's that's very important.

00:58:56 Speaker A

And is it standardized or not that those walls?

00:58:59 Speaker C

The walls that we are doing that we are going to use for one office building I know are the standardized just bricks of saying yeah.

00:59:13 Speaker C

It's the standardized wall bricks that are used for almost everything and when.

00:59:18 Speaker C

At the end.

00:59:19 Speaker C

You pray 2 hours and you have your.

00:59:22 Speaker A

Trust me.

00:59:22 Speaker B

I think that.

00:59:23 Speaker B

Per building, it's the same. So in one building we're using the same walls that if you compare two over the different buildings so one is built in 191960 and so they have different measurements through the ceiling from floor to the ceiling, then the building beside said that's from 1980.

00:59:43 Speaker B

And there's 20 years in difference and.



00:59:46 Speaker B

Yeah, the correct.

00:59:47 Speaker A

1990199 cave.

00:59:47 Speaker C

1960

00:59:51 Speaker C

It is from 1960 to 1980.

00:59:52 Speaker B

It's lost.

00:59:53 Speaker A

Right?

00:59:55 Speaker B

1980 that's order one and so that's 20 years in difference and there are just all kind of differences from yeah, the height from the floor to the ceiling of the high end.

01:00:09 Speaker C

The framework of the windows.

01:00:11 Speaker B

Yeah, all those small differences that creates that we cannot use the same exact measurements for first building as we can do for second building.

01:00:23 Speaker B

But for the second building work, can you?

01:00:25 Speaker B

Is it inside?

01:00:27 Speaker B

Of the building we can.

01:00:28 Speaker B

Use same but.

01:00:30 Speaker A

OK.

01:00:31 Speaker B

That's what we talked.

01:00:32 Speaker B

About as well at the current state of the building or the current building should grow are not made for accessibility.

01:00:42 Speaker A

Yeah, but it was.

01:00:42 Speaker B

Except for this overflow band, I guess.

01:00:43 Speaker A

Yeah yeah, but you use few.

01:00:47 Speaker A

A bit, just lightweight and so.

01:00:49 Speaker A

On and the building by by itself was open, yeah?

01:00:56 Speaker A

Yeah, regarding now for this project particularly, I would like the last two.

01:01:02 Speaker A

What are the as the the obstacles or we can call the bottlenecks that you are facing at the moment.

01:01:12 Speaker A

For that's really, you can say like.

01:01:15 Speaker A

It's it obstructs the circularity and.

01:01:18 Speaker A

Yeah, you mentioned, for instance you didn't move to even adaptability because you say like fulfilling them is difficult.

01:01:25 Speaker A

So I want like to listen some of the key challenges or like the key.

01:01:30 Speaker A

Barriers that really facing you.

01:01:33 Speaker B

I think we should start with the most important one, and that's money, and I think if you have the right company and right people you can just even it out.

01:01:45 Speaker B

It's as cheap as new materials and maybe if.

01:01:52 Speaker B

Yeah, everything is just going the best they can.

01:01:57 Speaker B

We can do it.

01:01:58 Speaker B

A bit cheaper, ether circular.

01:02:01 Speaker B

Then then everything needs to go all right.

01:02:03 Speaker B

So yeah, money wise, that's the first problem.

01:02:07 Speaker A

So when you like, it's feasible to go to to do circular, but if you want to do it fully circular, you will go the other way around.

01:02:16 Speaker A

It will be unfeasible can.

01:02:17 Speaker C

I say that those I think, well, I think.

01:02:19 Speaker A

If I did, I.

01:02:22 Speaker C

Tell you it's not infeasible with less profitable.

01:02:25 Speaker A

Uh, so.

01:02:27 Speaker A

So if we can say.

01:02:27 Speaker A

Like there's a care so it's.

01:02:29 Speaker A

Like this then it goes up.

01:02:32 Speaker A

So is there a certain points that?

01:02:35 Speaker A

The profitability is, yeah so some.

01:02:38 Speaker C

Yeah, I think it's it becomes profitable, more profitable for something.

01:02:43 Speaker C

So you have the most standardized things.

01:02:47 Speaker C

It's profitable, but when you do, specialized.

01:02:49 Speaker C

Work that that you must be circular.

01:02:51 Speaker C

Then it becomes unprofitable because it's plus you more, just the thing we talked about here early.

01:02:53 Speaker A

How OK?

01:02:57 Speaker C

Here you have do not have a specialist.

01:03:00 Speaker C

You have to pay specialists to fit them.

01:03:03 Speaker C

There's no experience, so they're doing something that has that's high risk for them and there.

01:03:13 Speaker C

It's not meant to be that way implements it because it wasn't used that.

01:03:17 Speaker A

Wait before we.

01:03:18 Speaker A

So see.

01:03:21 Speaker B

Heard from contractors as well because we work.

01:03:25

Level chair with a.

01:03:26 Speaker B

Small contractor and a really big constructor.

01:03:30 Speaker B

And the big.

01:03:30 Speaker B

Contractor thinks it's a great idea because they already have other projects that they can use the materials from.

01:03:38 Speaker B

They have had some experience.

01:03:41 Speaker B

With reusing it and yeah they it's not what [name of interviewee 2] said.

01:03:47 Speaker B

They already know what they're doing a bit and they.

01:03:50 Speaker B

It's more yeah less risky for the big ones to use the circular approach, but with the small ones they have never used it in our life.

01:04:00 Speaker B

They don't have someone more specialized in it and it's just too much, too much risk that.

01:04:08 Speaker B

Yeah, yes, something goes wrong because it's a bit more difficult than just setting up a whole new building with whole new walls and.

01:04:20 Speaker B

Yeah, what I what I experience is that for the smaller constructors, it's just way harder to apply.

01:04:27 Speaker B

They can only really use the most easiest to.

01:04:32 Speaker B

Through use circular.

01:04:35 Speaker A

It's not attendance, but.

01:04:37 Speaker B

The smaller are still.

01:04:39 Speaker B

Yeah yeah, still willing to use what they can.

01:04:43 Speaker B

And then we're talking again about the doors and plumbing fixtures, but I think how bigger the company, how more circular you can be.

01:04:52 Speaker A

Ah, so risk.

01:04:54 Speaker A

I guess you're like Verisk.

01:04:58 Speaker A

Of having fully circular because small organizations have no expertise or specialized people?

01:05:08 Speaker A

OK, that's that's very important.

01:05:10 Speaker A

So we knew now the the money.

01:05:13 Speaker A

The also specialization knowledge thing.

01:05:17 Speaker A

Is there any other challenge that you are facing at this project at the moment?

01:05:22 Speaker B

What I say here is what we talk about is no fixed measurements.

01:05:27 Speaker A

Give us a word.

01:05:29 Speaker C

I think that is.

01:05:31 Speaker C

Points, that is, one contractor is pointing out that he's building with one building method.

01:05:38 Speaker C

The building blocks and when he wants to use the door, it doesn't fit the building measurements of his building method with the blocks, so he needs to.

01:05:49 Speaker C

Hire A Carpenter to fit those doors, but.

01:05:53 Speaker C

Doors are actually cheaper for him to buy, like 50% cheaper, but then he has to paid character and.

01:06:01 Speaker C

That's to fit.

01:06:02 Speaker C

Them to fit them and the culture at the moment is very expensive because there aren't that many carpenters around at the moment that are specialized to do such things.

01:06:11 Speaker C

So there's no specialization.

01:06:13 Speaker C

Within his company is holding him back from using the circular doors.

01:06:20 Speaker A

I can see.

01:06:21 Speaker A

That's OK.

01:06:23 Speaker B

I think for our.

01:06:24 Speaker B

Project this arc.

01:06:27 Speaker B

It's the close that we are seeing at the moment.

01:06:28 Speaker A

Yeah, yeah.

01:06:31 Speaker B

It's a bit difficult, but.

01:06:33 Speaker B

We still the people that.

01:06:36 Speaker B

We are talking with are.

01:06:37 Speaker B

Really they are at the ship and suggesting when you talk about it and they will do everything they can to implement it so.

01:06:48 Speaker A

Can I say regarding this challenge I can say?

01:06:50 Speaker A

Next month.

01:06:50 Speaker A

Like if you wanted to fit the.

01:06:52 Speaker A

Second hand material in the project.

01:06:55 Speaker C

Yes so.

01:06:57 Speaker C



And there are winning.

01:06:59 Speaker C

We need to think about.

01:07:00 Speaker C

All the solutions there.

01:07:03 Speaker C

At the moment, they're just not capable of being sunshades.

01:07:05 Speaker A

OK so OK.

01:07:08 Speaker A

So for the last question, what are the aspects that when I say like facilities that facilitated or paved the way?

01:07:18 Speaker A

Or make the circularity or or make?

01:07:22 Speaker A

The way of implementing security easier to you in this project.

01:07:27 Speaker C

I think the.

01:07:27 Speaker C

Biggest one as I have experienced is the.

01:07:31 Speaker C

Just as he shed them power.

01:07:34 Speaker A

OK.

01:07:35

OK.

01:07:35 Speaker C

Well, the board because we have five students, are doing fairly enthusiastic about the whole circular ID, and so we pitched it be investment investor and they said as long as we do not lose profit, it's OK with us.

01:07:51 Speaker C

You are so.

01:07:51 Speaker C

Which enthusiastic there is.

01:07:54 Speaker A

OK, it's it's fine.

01:07:57 Speaker B

We get a lot of people who are willing to help us because or or for non profit organization run by students.

01:08:05 Speaker B

We get different contacts from people who could help us and we get to the right parties that are willing to help us for the best price, maybe even.

01:08:17 Speaker B

Because the social skill of our project that we are having in.

01:08:23 Speaker B

Because the companies want to.

01:08:27 Speaker B

I've been part of this social big nice student housing project.

01:08:33 Speaker B

Their willingness to help and think with us and think with us without costing money and just trying to help us the best way they could really helps us getting ahead.

01:08:47 Speaker B

And when other companies maybe don't have and for us protective work, it works really nice.

01:08:53 Speaker B

I don't know how we can implement this.

01:08:55 Speaker B

In the big market.

01:08:57 Speaker A

I see.

01:08:59 Speaker A

So you the the first one is the enthusiasm of the student.

01:09:03 Speaker A

The second one is the support that you get from the society you get.

01:09:07 Speaker A

You get contact others other.

01:09:10 Speaker A

I mean are there other things that really facilitate your job?

01:09:15 Speaker B

I think we are to really implement it and used from different kind of buildings.

01:09:22 Speaker B

We are talking with our big company that.

01:09:26 Speaker B

Dust it a lot more, and that's necessary because they have the right context as well.

01:09:32 Speaker B

Through gets the right materials from the right buildings that fit in is we cannot.

01:09:38 Speaker B

We are too small to do it on our own, and that's the network that we need to have.

01:09:45 Speaker C

Yeah, I think that's.

01:09:47 Speaker C

Microwaves because we're in touch.

01:09:50 Speaker C

With the companies that are specialized or partly specialized, reusing materials and bids.

01:09:57 Speaker A

I said angels.

01:09:58 Speaker B

And circularity as well.

01:10:03 Speaker A

I think it's.

01:10:04 Speaker B

Order order wise in setting up.

01:10:08 Speaker B

In the best project here that we already have done in a 2018.

01:10:14 Speaker B

We did not have a specialized company and how we implied their circularity was using materials from the building itself and using a wall from building itself and transforming through order, building where refurbished materials and we still have tried it.

01:10:34 Speaker B

The best we could, but only from the materials that the building already had to offer.

01:10:40 Speaker B

Yeah, and now.

01:10:42 Speaker B

Now we with the new project and because the new project is way bigger, we are thinking about other opportunities to getting materials from outside or building.

01:10:51 Speaker B

So we take a next step in using the circularity.

01:10:56 Speaker C

This is a good boy you.

01:10:57 Speaker C

Made because in.

01:10:58 Speaker C

The building we did in 2018. The reason why we reused and refurbished a lot of materials was because of the budget. Budget was very tight because the the duration of the contract wasn't as long as it's now.

01:11:16 Speaker C

The at that point it.

01:11:17 Speaker C

Was we had to reuse as many things of the building because it was already an elderly building, so elderly people were living there and the other rooms already were quite nice so we could reuse a lot of things.

01:11:30 Speaker C

And that was one way it paves the way to use material is.

01:11:35 Speaker C

What's the budget?

01:11:36 Speaker A

OK.

01:11:36 Speaker A

Also instructed.

01:11:37 Speaker C

Us to use it.

01:11:41 Speaker A

The budget.

01:11:44 Speaker B

It all depends on the budget.

01:11:46 Speaker C

Yes, money again.

01:11:50 Speaker A

The cheapness of.

01:11:58 Speaker A

So the cheap, the budget and the cheapest you can.

01:12:01 Speaker A

Sell or they log the low price?

01:12:03 Speaker C

The price of using the one of the factors.

01:12:03

Is that?

01:12:04 Speaker A

Office we use is one of them.

01:12:06 Speaker A

Right?

01:12:08 Speaker A

Yeah, so it's two way so we have here the the genius but also we have other bottlenecks.

01:12:13 Speaker A

To fit those materials.

01:12:15 Speaker A

Yeah, so we.

01:12:18 Speaker A

Now we end up, but I have now just closing questions for the interview.

01:12:23 Speaker A

Yeah, so first like thank you so much really.

01:12:27 Speaker A

I learned a lot from you.

01:12:30 Speaker A

But also I would like to acknowledge your valuable experience and information.

01:12:35 Speaker A

Do you have also any or do you see a kind of?

01:12:41 Speaker A

I think we talked about that one.

01:12:42 Speaker A

I think so.

01:12:44 Speaker A

So what do you think the impact of circularity in the future?

01:12:49 Speaker A

Now we talked about.

01:12:51 Speaker A

I think we talked about it in the beginning.

01:12:53 Speaker A

You mentioned that still we have initiatives, but there are other things needs to go out to do at the moment.

01:13:02 Speaker A

It busy.

01:13:02 Speaker A

Is there anything that you are thinking about the future of security in any other field like?

01:13:08 Speaker A

General thing that you you're.

01:13:11 Speaker B

In general.

01:13:12 Speaker B

I don't think we are with the society in mind.

01:13:16 Speaker B

We are there yet with the circularity we only have the ambitions, but we don't put it to practice at the moment.

01:13:26 Speaker B

That's a bit depressing, but I think in five or ten years we really can create that all new buildings are 100%.

01:13:36 Speaker B

Enough percent circular.

01:13:38 Speaker B

I think it can be done, but we are just not yet there.

01:13:43 Speaker C

I think the building sector is one of the sectors that is changing slowly more slowly than other sectors, like the healthcare and technology sector, but I think.

01:13:56 Speaker C

At the end we will get there early, takes a longer time for the building sector.

01:14:02 Speaker A

So the public sector is moving slowly toward.

01:14:04 Speaker C

It's yeah, it's not moving slowly, it's more changing slowly.

01:14:08 Speaker C

It doesn't react as fast as on certain things as well on certain things as other sectors technology is changing rapidly.

01:14:17

Yeah, yeah.

01:14:18 Speaker C

We have micro chips that are very.

01:14:20 Speaker C

Small at the moment.

01:14:21 Speaker C

And like 10 years ago there were like mega computers and I think the building you see the economic crisis, the.

01:14:30 Speaker C

The building sector reacts fewer years later.

01:14:33 Speaker B

Have to have some new ID now it.

01:14:34 Speaker C

Yes, Sir.

01:14:37 Speaker B

It needs to be tested and then your five years.

01:14:40 Speaker C

Before it gets invented in the next building, I think that's one of the things that stops moving circularity.

01:14:48 Speaker C

As a priority, it's OK.

01:14:50 Speaker C

We will get there because all the.

01:14:52 Speaker C

Students here are.

01:14:54 Speaker C

Thoughts would be to use circular materials and.



01:14:56 Speaker A

Yeah, indeed be sustainable.

01:14:59 Speaker A

So yeah yeah.

01:15:01 Speaker A

Is there any further information you would like to add on this?

01:15:05 Speaker B

I don't think.

01:15:07 Speaker B

For an interview especially, but I'm just really interested in what you think about.

01:15:13 Speaker B

What's for information you're having at the moment, and how do you think?

01:15:18 Speaker B

Do you already think of a solution for the circularity?

01:15:22 Speaker B

But that's not for interview, just.

01:15:23 Speaker A

OK, yeah, first or like.

01:15:25 Speaker A

One of the things that also I I I.

01:15:28 Speaker A

I argued in my research like hot in Dutch.

01:15:33 Speaker A

She's argument, yeah, yeah, so the [name of interviewee 2] , one of the arguments of my research is that and you mentioned that there is a lack of knowledge.

01:15:33 Speaker C

Yeah so.

01:15:44 Speaker A

And now my research is actually kind.

01:15:46 Speaker A

Of building that knowledge.

01:15:48 Speaker A

And so, and I notice that you repeated that in in a way or another.

01:15:51 Speaker A

Like you mentioned.

01:15:55 Speaker A

No expertise and also I I both you said quite often and I think you also mentioned that also there's no guidelines or like something database that people can learn from that one.

01:16:08 Speaker A

So so also those one of things that's very important.

01:16:11 Speaker A

But also I learned so that's I mean.

01:16:14 Speaker A

That's what I believe on Arrow on the lack of knowledge, yes, and that that's actually my my deep purpose of 1 things is in my.

01:16:23 Speaker A

Research is to build that.

01:16:25 Speaker A

And you are helping in building that knowledge because you have the knowledge in your mind.

01:16:29 Speaker A

You are in the field.

01:16:30 Speaker A

I'm I'm from the theory part, so theory plus field experience can build that knowledge and we will keep in touch.

01:16:38 Speaker A

But also if.

01:16:40 Speaker A

You don't mind, please would you mind?

01:16:44 Speaker A

Recommend other participant to interview for this project.

01:16:48 Speaker A

And also other projects it it's actually volunteerly question but because also I need now to to find also to talk to more people.

01:16:58 Speaker A

So do you have?

01:16:58 Speaker A

Other because you are from the the side of the let's say the consultant or the project.

01:17:05 Speaker B

And maybe he needs to talk to a constructor or some specialist in fuel and.

01:17:14 Speaker B

Yeah, maybe we can.

01:17:18 Speaker B

I don't.

01:17:19 Speaker C

Know I don't know.

01:17:20 Speaker C

Someone directly I have.

01:17:23 Speaker C

I do not have something directly in my mind, but.

01:17:25 Speaker B

Yeah, or maybe like the big companies that we are talking with that we should talk to them first.

01:17:31 Speaker B

Right, I'm I'm not sure I don't know what's classified or not.

01:17:37 Speaker A

Yeah no.

01:17:37 Speaker B

I just not sure I I can just talk through the parts of the board and then yeah try to give you some.

01:17:41 Speaker A

Yeah, yeah, I don't know.

01:17:45 Speaker A

Yeah, yeah, yeah, some people.

01:17:47 Speaker A

Also for sure no, no hurry and.

01:17:50 Speaker A

For this this part.

01:17:51 Speaker A

I mean, any time when you can help, I'll be grateful.

01:17:55 Speaker A

Also, do you have other?

01:17:57 Speaker A

Projects that I can really explore.

01:18:00 Speaker A

Uh, first, like I would like to to if if there is, uh, to to see this.

01:18:06 Speaker A

I come just once and see the project site.

01:18:09 Speaker A

Is there a possibility so for.

01:18:12 Speaker A

Just a personal visit right now.

01:18:14 Speaker C

Yeah, yeah, I think this when you want personal visits, especially for the circularity parts.

01:18:22 Speaker C

I think it's best to do is when the build starts.

01:18:26 Speaker C

Yeah, we are going to.

01:18:29 Speaker B

The model.

01:18:32 Speaker B

The more says some of the interior in the next month because we try to really create and setting the new walls, setting the new parts.

01:18:43 Speaker B

After the summer, so I think it will be most interesting if you could join us at the moment that we are breaking down some.

01:18:51 Speaker A

Yeah, I would be grateful to join you just once, just to see if if you don't.

01:18:56 Speaker B

Yeah yeah, yes.

01:18:57 Speaker A

Mind please yes.

01:18:58 Speaker B

At the moment we are still in the contract phase and after that I think in a month or two I will probably yeah going through the building and monitoring something and I will send you an e-mail when we can plan something that we could go to the building and you can experience it first hand.

01:19:17 Speaker A

I will be so glad to do.

01:19:18 Speaker A

That so thank you so much.

01:19:21 Speaker A

Do you have?

01:19:21 Speaker A

Also in mind, but also this voluntarily question, other projects to explore even like meet people and talk like like I have now a list of projects that also I'm I'm studying.

01:19:35 Speaker A

Besides besides this, this this this case and and I will interview others.

01:19:40 Speaker A

But there are other projects, circular building transformation like circular about transformasi.

01:19:46 Speaker A

That's in mind that probably.

01:19:48 Speaker B

I'm not really sure because what I said when we are on the Komrad Congress everyone says they're doing circular buildings, but I don't know.

01:19:58 Speaker A

Now I mean.

01:19:59 Speaker A

Circular building transformations.

01:19:59 Speaker B

I said yes.

01:20:01 Speaker B

So group building transformation, especially in full.

01:20:04 Speaker B

Well, no, maybe yours in general.

01:20:13 Speaker C

Oh yeah, mate.

01:20:13 Speaker A

True, true.

01:20:19 Speaker B

OK, I will write it down.

01:20:21 Speaker C

We will write down.

01:20:22 Speaker C

I do not have someone in mind at the moment that this is specialized in circular transformation first.

01:20:28 Speaker A

Or like a project circle transformation like something that has been transformed and circular.

01:20:35 Speaker C

Yeah, because the most projects are circular.

01:20:39 Speaker C

I know right now or.

01:20:41 Speaker A

New I know.

01:20:43 Speaker A

I know many many like.

01:20:44 Speaker A

Yeah, we watch so many.

01:20:45 Speaker C

Not many websites.

01:20:47 Speaker B

Yeah will.

01:20:48 Speaker C

Yeah, we will ask them.

01:20:50 Speaker B

I guess I guess the the names of we.

01:20:53 Speaker C

Do you write it down any questions?

01:20:56 Speaker C

Right?

01:20:58 Speaker A

So the first one is.

01:21:00 Speaker A

I'd like to to know if there is an opportunity to join you in one visit.

01:21:06 Speaker A

The second one is the other people I can interview in the same project like you are from the side of the, let's say, the director.

01:21:12 Speaker A

Yeah, probably can I?

01:21:13 Speaker A

To be other.

01:21:14 Speaker A

People from the side of the let's say.

01:21:17 Speaker A

Constructors or probably investors investors.

01:21:20 Speaker A

I would love investors.

01:21:21 Speaker A

I would love to interview in investors.

01:21:23 Speaker B

Yeah yeah, maybe then we have someone.

01:21:29 Speaker C

Oh yeah, oh.

01:21:30 Speaker B

Because he is a really social investor and we every time something with student housing, he is always in.

01:21:39 Speaker B

He doesn't even really need to.

01:21:40 Speaker B

Make profits like just less.

01:21:41 Speaker B

He is a good one.

01:21:43 Speaker C

Well, we can ask him.

01:21:45 Speaker C

Yeah, he's really busy man.

01:21:45 Speaker B

That I used to read this made well.

01:21:48 Speaker C

So I think it will be online and I.



01:21:50 Speaker C

Yeah, let me have the time.

01:21:53 Speaker C

OK, we can ask him.

01:21:54 Speaker A

Yeah, yeah and also other the last question.

01:21:58 Speaker A

If there is other people who I may interview.

01:22:02 Speaker A

Sorry, uh, other projects that I can also study.

01:22:05 Speaker C

OK.

01:22:06 Speaker B

I think that's a bit more difficult because we I think we are specialist, but we are just 1/2 year 1/2 year in this practice right now and [name of interviewee 2] two months and we have heard some projects surrounding or.

01:22:25 Speaker B

What we are do.

01:22:26 Speaker B

But I will talk about [name] as well, because he knows maybe a bit more and he went through some references.

01:22:31 Speaker A

Yeah, this.

01:22:33 Speaker C

Is yeah.

01:22:37 Speaker A

Yeah, so I'm so grateful so I will end now.

01:22:41 Speaker A

The recording and we can continue.

01:22:42 Speaker A

So thank you so much.

01:22:43 Speaker A

Really guys.

01:22:44 Speaker A

I'm so grateful for you and now we'll end the recording.