



THE MOST VALUABLE MATCH



Quickly become circular with
4D Matchmaking



We are all working toward creating a circular economy – an economic system in which waste doesn't exist and raw materials and resources are used and reused in an optimal way. Society needs companies to take significant steps toward circularity. As an employer, you become more attractive to new employees and stakeholders. And with EME's 4D Matchmaking module, your circular ambitions can rapidly become a reality. The best part is that it's better for your profits as well as the planet. In our experience, material flows increase by 110% on average in financial value, and the ecological footprint reduces by 60% on average. Who wouldn't want that?

An identity before a match

The first step in our process is to create a Resources Passport for you, a standardised format that we developed. This passport provides an overview of the components and origin of the material or product, among other things. Therefore, the passport provides this material or product an 'identity'. This is important because if that material is anonymous, it represents no value which thereby renders it worthless rubbish and totally disposable.

Then comes step 2 – identifying the potential added value that can be derived from that material, product or waste stream. We answer the question: can higher-value solutions be found? If so, how much money can be earned with that? And finally, but crucially, how much environmental gain can be found in those higher-value solutions?

Most valuable match

The third step is to use our platform to unlock the potential of your material. We match the material or product to a new high-value reuse option. We are able to find unique and innovative solutions thanks to our knowledge and technology. The Resources Passport makes it possible to search for matches across different sectors. Waste in one sector often remains waste within that sector. However, that specific material can be a sought-after raw material for a new product in another sector. Or even an important building block for reuse. In the final step, we link you to one of the innovation partners within our network. Their job is to prepare your material or product for reuse.



The benefits in a nutshell

- + Fast and thorough advice about your potential circular 'profits'.
- + Easy insight into the potential of your material, product or waste stream – what it can bring you financially as well as the environmental benefits.
- + Real reuse options for items that you no longer attach any value to.
- + New innovation partners that can help you realise your circular ambitions.

High-value is key

Everything that we do at EME boils down to one key concept: high-value. We use a unique method to determine whether a solution for your material or waste-product is high-value. To make that determination, we consider 3 elements: environmental, financial and social.

Companies often refer to the 'waste hierarchy' when it comes to circularity in the material and product chain. The simplest analogy is to see it as a ladder. For instance, burning materials with energy recovery scores low on the ladder because value is lost. Recycling is a higher-value way – reusing a product is a higher-value solution, so it's higher up the ladder. Yet in our view, high-value equates to more than just the ecological footprint. It's also about the financial picture and whether it's an interesting business case.

And let's not forget the social aspect. Of course, it would be great if jobs could be created by recycling or reusing a material or waste product. However, it can't be called a 'high-value solution' if people are exploited somewhere along the line.

What we ask of you

We only ask two things in order to perform the 4D Matchmaking module and to make everything as easy as possible for you.

1. That you provide us with as much information as possible about the material, product or waste stream.

A Life Cycle Analysis (LCA), Environmental Product Declaration (EPD) and a Bill of Materials (BOM) are also useful, if you have them available. We will provide you with a list so that we can make the overview we provide you with as complete as possible.

2. An investment of 9,900 euros.

Questions? Feel free to contact us!

info@excessmaterialsexchange.com

About EME

Excess Materials Exchange (EME) is a young and innovative technology company. Our digital matching platform provides solutions for one of the major global issues that we now face: namely, the waste problem. We find new high-value reuse options for materials or (waste) products for companies. In addition, we provide them with valuable data in an insightful way, so that they can make a substantial contribution to a circular economy.

We are determined to radically disrupt the way we deal with resources, materials and waste streams.

Far too many valuable resources and materials are wasted or ill-designed in the current paradigm, for which the planet must pay a heavy price. We need a different approach that combines social, organisational and cultural aspects. We firmly believe in an essential need for technological transformation. Using Blockchain, artificial intelligence and the smart use of data, EME is accelerating the global transition to a circular economy – and playing a part in creating a more viable planet.

For today, and into the future.

“We have to find ways of giving what we unhelpfully refer to as ‘waste’ a proper value – we have to monetize it. (...) I was intrigued to hear about the innovative approach being developed in the Netherlands by a company called Excess Materials Exchange. They have developed a digital marketplace where companies can exchange materials and products, and which seeks to identify the highest-value uses. This looks promising as an example of a new approach that might help unlock the full potential of the circular economy.”

Prince Charles – HRH the Prince of Wales

At Business in the Community’s ‘Waste-to-Wealth Summit’



THE MOST VALUABLE MATCH