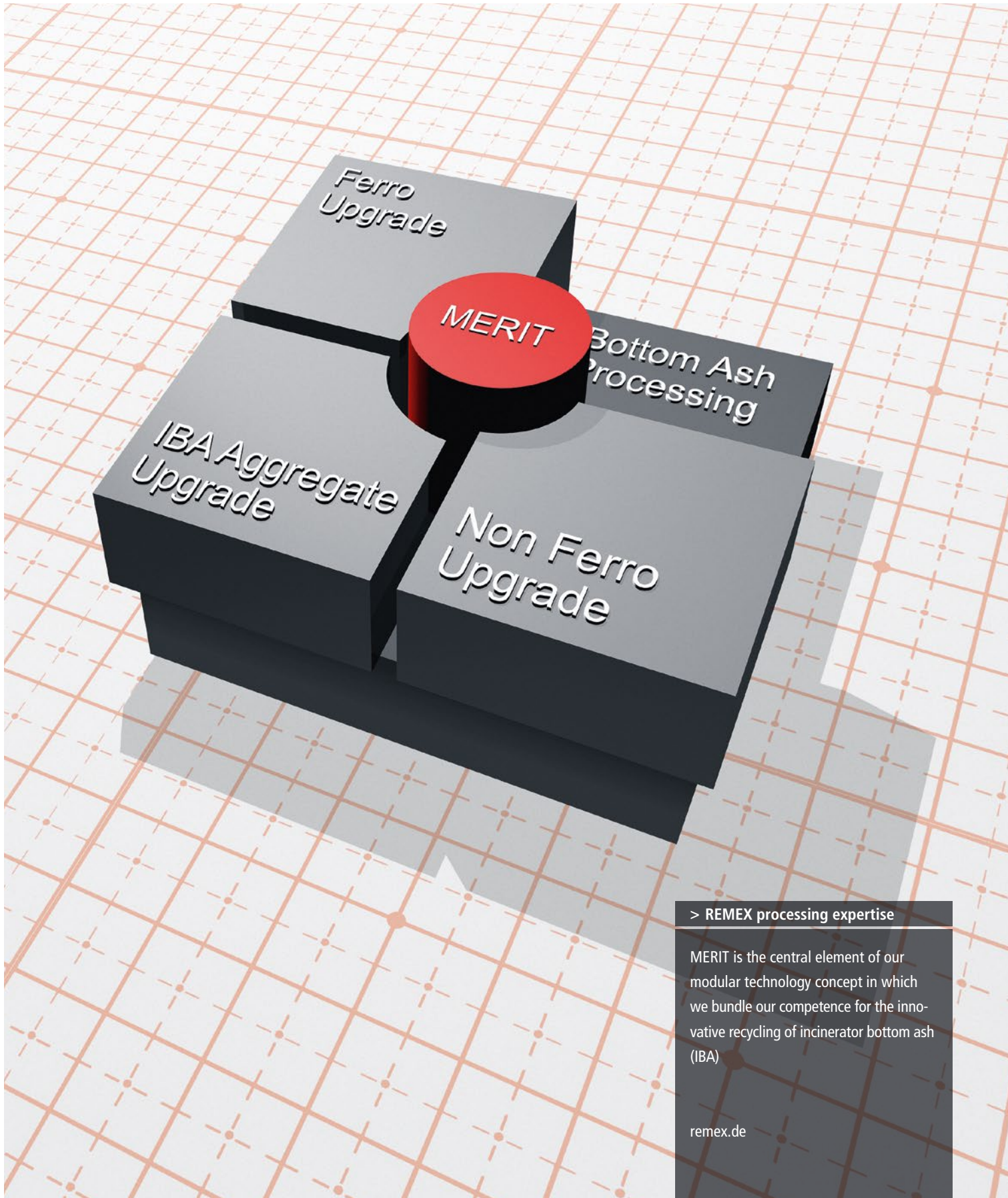


## MERIT for higher metal recovery



### > REMEX processing expertise

MERIT is the central element of our modular technology concept in which we bundle our competence for the innovative recycling of incinerator bottom ash (IBA)



> INNOVATIVE RECYCLING

## REMEX adds value to processing

MERIT technology stands for the increased recovery of valuable non-ferrous metals from municipal solid waste incinerator bottom ash. It is a processing solution that has been developed by our specialist team, focussing on the smaller fraction of non-ferrous metals, often overseen by other recycling companies.

More about MERIT:  
[am.remex-processing.com](http://am.remex-processing.com)



### Unique solution

Our technical innovation is based on a ballistic separation principle. A controlled air stream is used to intelligently remove the disruptive fine fraction of ash without removing inherent valuable metals during the process. This leads to higher value creation from bottom ash while also improving the quality of the resulting products.

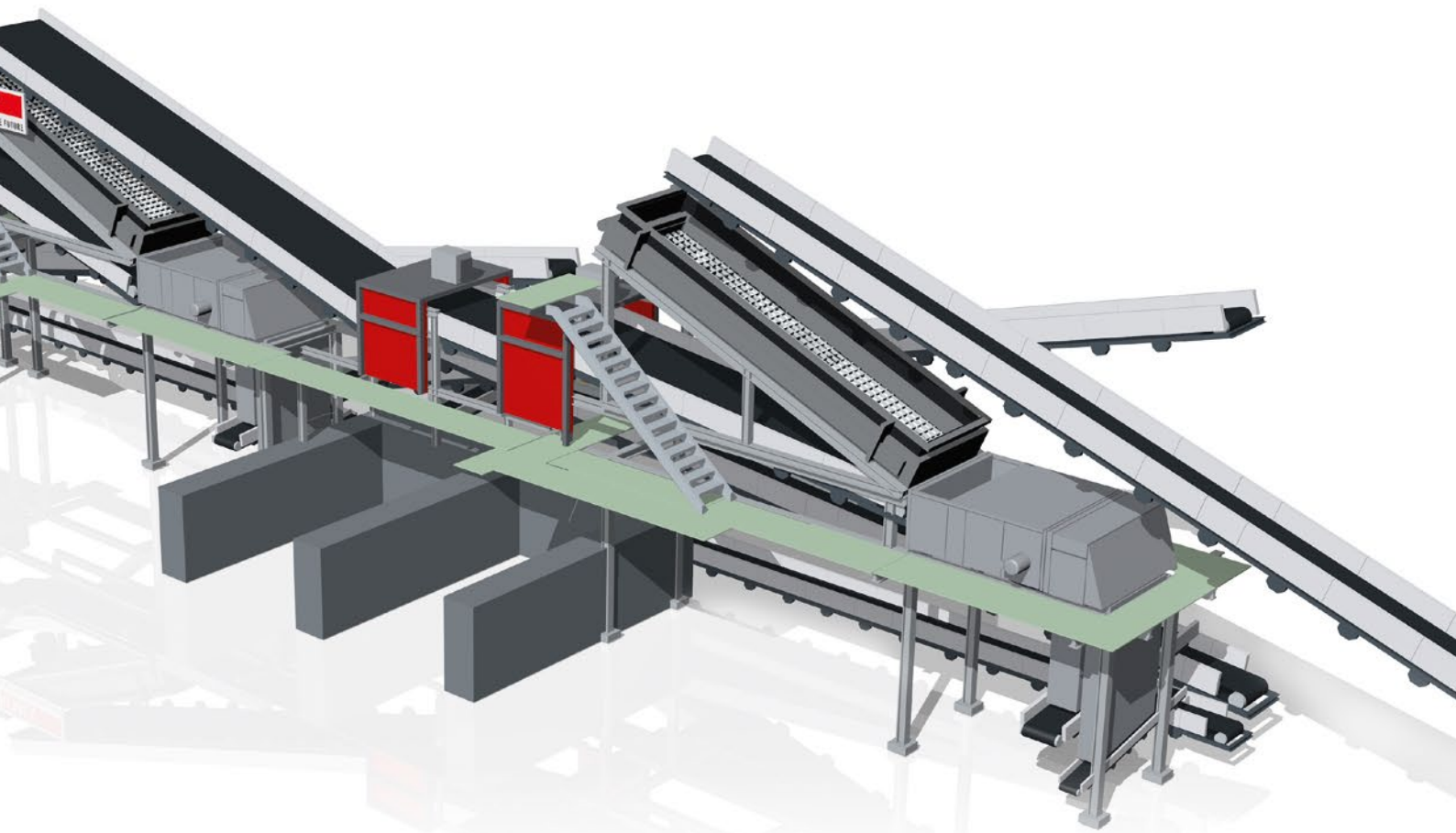
### New opportunities for recycling companies

MERIT is also a central element in our overall modular concept in which we bundle our expertise in incinerator bottom ash processing. The new approach opens up completely new

business models. For decades, REMEX has been partnering mainly with companies from the Waste-to-Energy industry when it comes to processing the residues from waste incineration. Now, our modular concept and MERIT, for example, enable cooperation with other recycling companies that wish to increase metal recovery rates and product qualities in their processing plants, but who maybe lack the expertise or financial investments required for implementation.







# Testimonials

We asked experts in their field for a short statement on what effects MERIT technology will have on the industry. Hear from them directly about the background of our concept and their first experiences with REMEX developed Non-Ferro technology.



### Increased business value

Dr. Andreas Bechmann, Managing Director MAV:  
"Every new development requires somebody to lead the way. MAV was the first company in Germany to implement the new Non-Ferro technology."

More testimonials:  
[mt.remex-processing.com](http://mt.remex-processing.com)



### Product management perspective

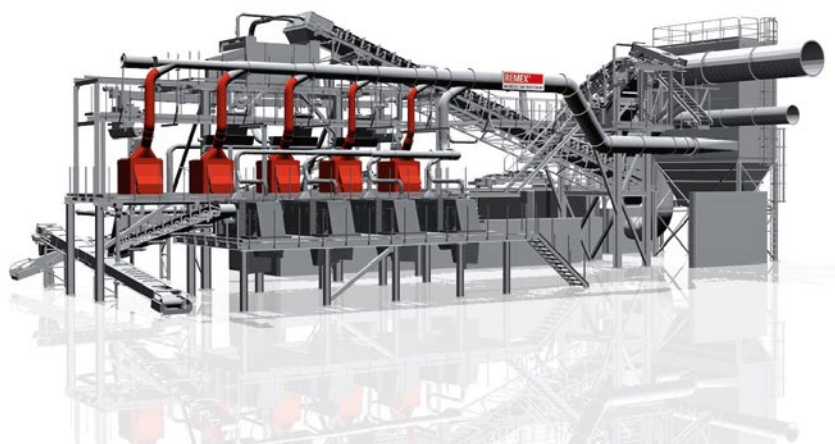
Astrid Onkelbach, Head of Marketing and Product Management REMEX:  
"Innovative processing of mineral waste serves a clear purpose: to improve the quality of the recycled products."



### Modular processing explained

Erwin Pieters, Managing Director HEROS:  
"The central element of our modular approach is the new Non-Ferro technology MERIT, which is currently being patented. Interest within the industry is already high."

Our metal upgrading facility in the Netherlands ensures state-of-the-art treatment of the recovered NF metals. The results are metal concentrates that can directly be used by smelting plants. Customers that implement MERIT also profit from this service





## Significant financial benefits

REMEX not only applies MERIT in its own plants but also offers this new technology as an individual module to the incinerator bottom ash processing industry. Interested recycling companies can choose from different cooperation models to increase their metal recovery rates and thereby profit from our expertise.

See the benefit calculation:  
[bc.remex-processing.com](http://bc.remex-processing.com)

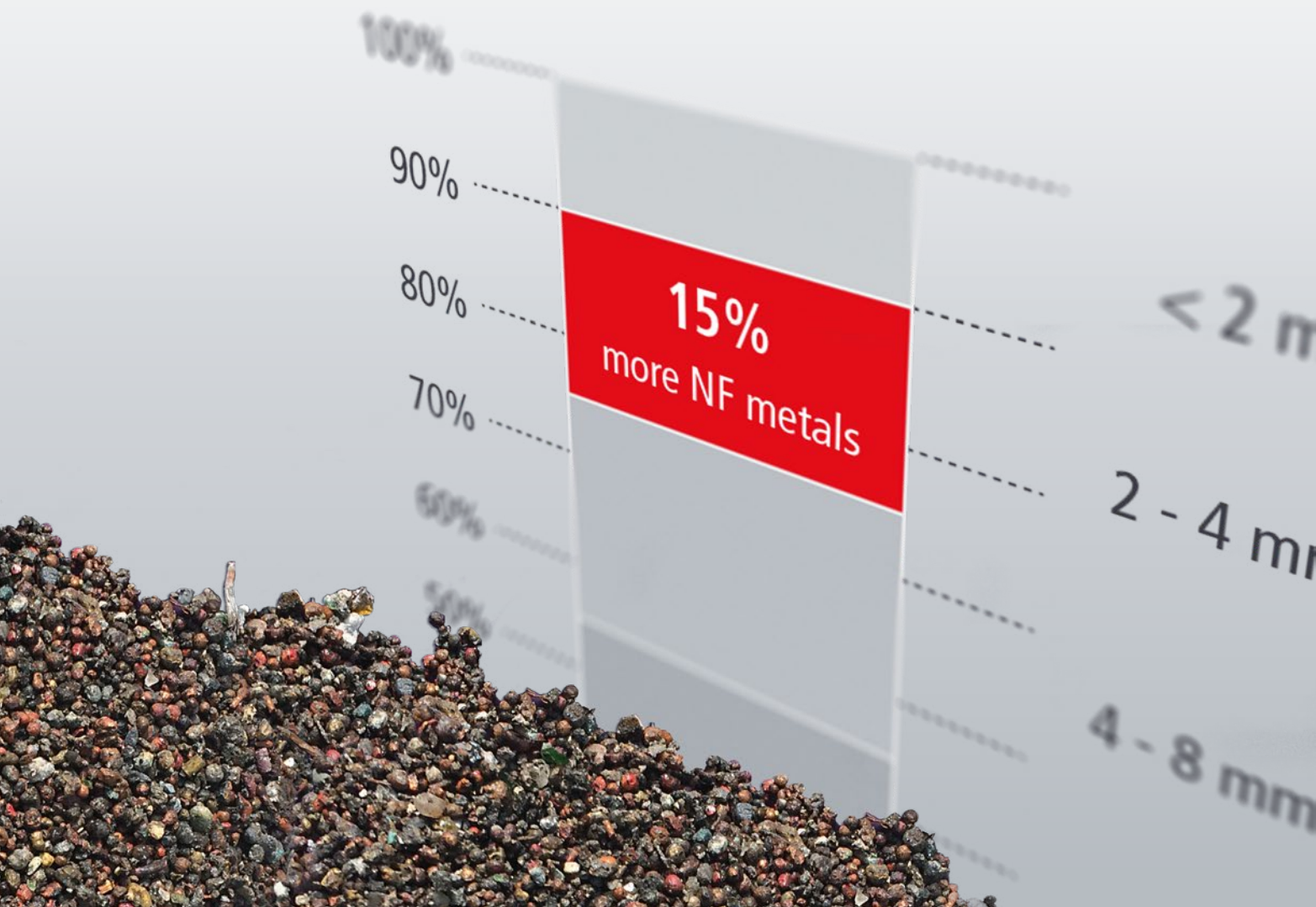


### High potential in non-ferrous metals

REMEX is one of the leading international manufacturers of secondary aggregates made from incinerator bottom ash. Experience tells us that the bottom ash from municipal solid waste incineration contains on average about 2 % of non-ferrous (NF) metals, a quarter of which are smaller than 4 mm. Of course these values can vary because the composition of bottom ash is dependent on each incinerator plant and source of municipal solid waste. In conventional processing plants, non-ferrous metals < 4 mm are not recovered at all because the necessary technology is missing.

### Up to 15 % higher metal recovery

The installation of MERIT technology optimises the recovery of fraction size 2 to 4 mm, which represents 15 % of NF metals contained in IBA. The integration of the MERIT module is flexible and varies dependent on the set-up of the actual processing plant. To highlight the financial benefit of installing MERIT, we provide example calculations in our technology webpage > [remex-processing.com](http://remex-processing.com). If you are interested in a detailed solution for your plant and an individual cooperation model with us, please contact us directly.





WORKING FOR THE FUTURE

Being a specialist for managing and recycling mineral waste as well as for remediation work, underground stowage and landfill operation, REMEX is part of the REMONDIS Group, one of the world's largest recycling, service and water companies. The company group has branches and associated businesses in more than 30 countries across Europe, Africa, Asia and Australia. With over 30,000 employees, the group serves around 30 million people as well as many thousands of companies. The highest levels of quality. Working for the future.

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