



INDUSTRIAL-WASTE PROCESSING
IT'S NOT ABOUT PROBLEMS.

#ITSABOUT
SOLUTIONS.



#ITSABOUT

EFFICIENT CYCLES.

Sooner or later, every product becomes waste. However, the materials in it will still remain – and are much more useful than it looks at first glance. These recyclable materials can be extracted from things that are thrown away.

WE SEE INDUSTRIAL WASTE AS A SOURCE OF ENVIRONMENTALLY FRIENDLY RAW MATERIALS AND ENERGY.

From the sorting technology at the start to the practical and useful raw material at the end, the way it is processed is tailor-made for each kind of waste.



60,000 T
BULKY WASTE



340,000 T
INDUSTRIAL WASTE



12,000 T
VALUABLES



80,000 T
WOOD CHIPS



10,000 T
SUBSTITUTE FUELS

KEY FIGURES 2023

USING INDUSTRIAL WASTE

TO RETURN ENERGY AND RAW MATERIALS TO THE CYCLE.

#ITSABOUT

HEALTHY GROWTH.



ORGANISING CLEAN DELIVERY.

**DESPITE ALL AVOIDANCE STRATEGIES, WASTE IS PRODUCED.
ECONOMY NEEDS A RELIABLE PARTNER WHO HAS RIGHT
SOLUTIONS.**

Our experts know what to do. Where do different things go? What requirements, regulations and certifications are there? What happens with each type of waste? We don't just talk, we get to work so that waste-related issues are solved sustainably and thoroughly.



THINKING FROM SMALL TO BIG.

**EACH BUSINESS DELIVERS ITS OWN AMOUNT AND
QUALITY OF WASTE.**

Whether it comes from trade, by the container from service providers or from industry, whether it is harmless or contaminated, our service is adapted to the input. We sort and process everything that is delivered, whether from the smallest van or the largest truck.



PLANNING RECYCLING EXACTLY.

**AN ENVIRONMENTAL BUZZWORD ONLY BECOMES A REALITY
WHEN THE TECHNOLOGY FOR IT WORKS EVERY DAY.**

When valuable raw materials and intermediate goods are obtained from waste, Germany's economy – which is low on raw materials – can add value. Even waste that cannot be reused makes a fundamental contribution: it comes back as climate-friendly energy.

#ITSABOUT

CLEAR RESULTS.



OBTAINING PURE MATERIALS.

WASTE CONTAINS A LOT OF USEFUL THINGS. THEY JUST NEED TO BE FOUND.

Therefore waste is analysed thoroughly right after delivery and then sorted usefully. This is the beginning of multiple stages of processing and at the end of which, among other things, single-variety secondary raw materials are brought to light. They are great for new products or for replacing fossil fuels.



REGENERATING METAL.

IN THE RECYCLING INDUSTRY, THERE ARE MATERIALS THAT CAN HAVE INFINITE LIVES WITHOUT LOSING QUALITY: IRON, STEEL, COPPER OR ALUMINIUM.

Because waste that is delivered is not sorted and separated, any recyclable materials are systematically separated for further processing, whether magnetically, optically, digitally, mechanically or – if nothing else works – manually.



BUILDING MORE WITH WOOD.

EVERY PIECE OF WOOD AND GREEN WASTE THAT IS DELIVERED CONSISTS OF FORMER RAW MATERIALS. THERE ARE DIVERSE WAYS TO USE THEIR FIBRES.

For example, we provide wood chips as a secondary raw material for chipboard in various quality levels. Wood also contains the fuel for biomass power plants. Thus, the amount of CO₂ released does not exceed the amount previously absorbed.

AVG KÖLN MBH

Geestemünder Straße 20

D-50735 Köln

Phone: +49 (0) 221 7170-0

E-mail: esgehtum@avgkoeln.de

WWW.AVGKOELEN.DE



NATURAL, DOWN TO EARTH AND HONEST: 'Jupp ech öko' is a genuine Cologne product made sustainably from 100% recycled paper. It has Blue Angel certification.

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PRODUCTIVE DISPOSAL.

REGAINING RESOURCES STEP BY STEP.

SEPARATING METALS.

We receive metals in all forms and in varying quality. We can separate ferrous as well as non-ferrous metals (aluminium, copper, etc.) automatically using various separator systems.

PROCESSING PAPER AND CARDBOARD.

Paper and its quality is identified systematically using computer-controlled near-infrared technology. Only the material suitable for recycling is processed further.

PROCESSING BULKY WASTE.

Bulky waste is not for landfill. We separate any plastic, metal or wood in it. Once everything is chopped, granulated or melted down, it is all new again. The rest is used as fuel for incineration.

PROCESSING WOOD.

Wood is processed into varying levels of quality, including wood chips and shavings for different types of chipboard. We also supply suitable material for biomass power plants.

ACCEPTING GREEN WASTE.

Green waste is natural. This is where its path back to nature begins. It is prepared for composting, chopped for garden cultivation or used as fuel.

SMALL VOLUMES WITH BIG BENEFITS.

Our recycling center is open to craft businesses, small industrial businesses as well as private customers. Here, we separate all materials into different waste types which form the basis for the rest of the recycling process.

PROCESSING SITE WASTE.

Site waste can serve as a basis for many things. Scraps and remnants of concrete, stone, brick, wood and metal can almost completely be formed into new building materials.

PROCESSING PLASTICS.

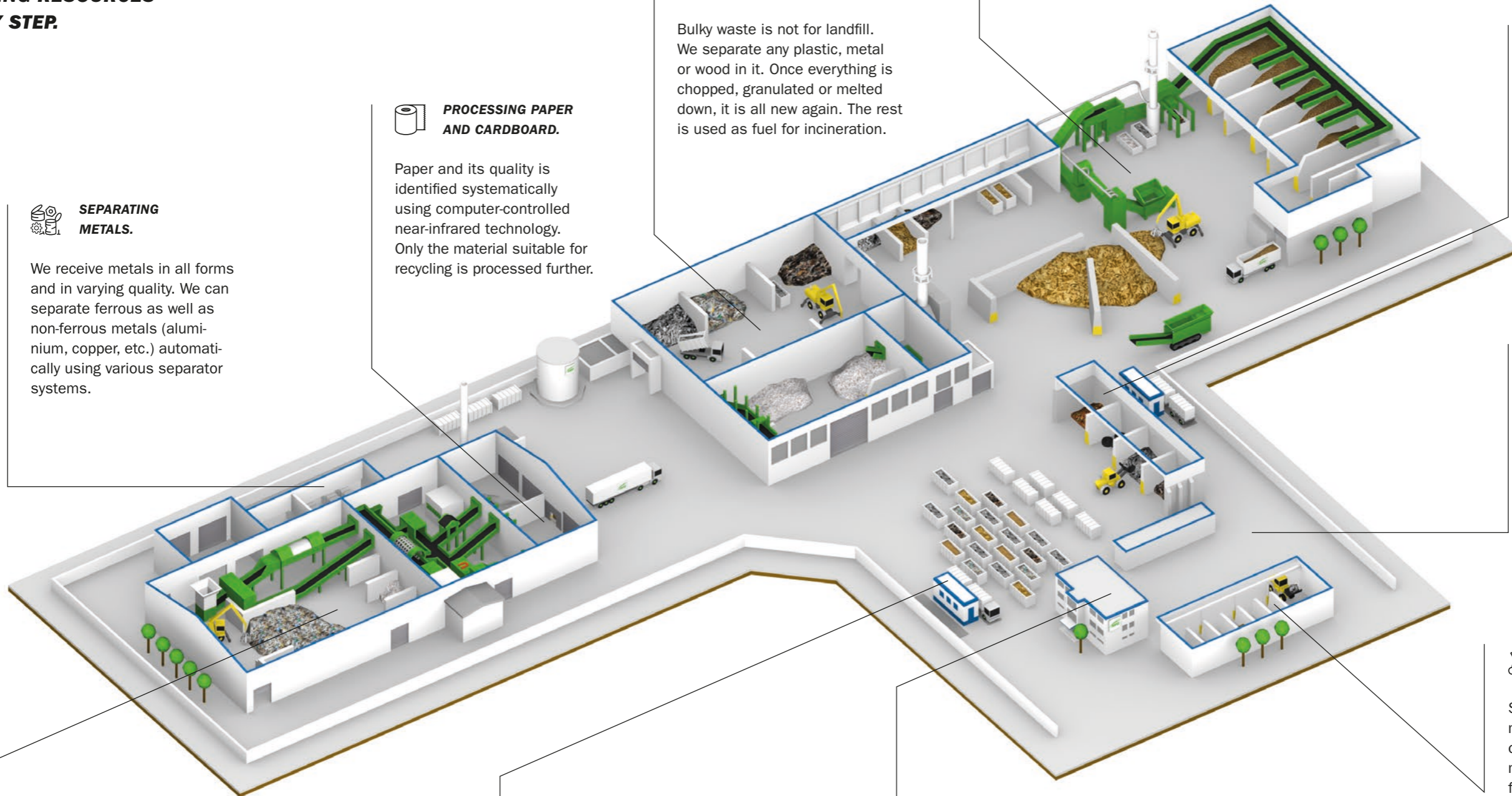
Plastics are prepared for material recycling or for thermal treatment as a secondary fuel using automatic optical sorting systems. This technology creates secondary raw materials.

HARNESSING VALUE.

Industrial waste is as diverse as industry itself. After we have weighed and inspected the waste, we sort it based on its reusable components. Using modern processing facilities, waste is turned back into separated raw materials such as paper, wood, metal and plastic.

PROVIDING BETTER ADVICE.

Experts need expert advice. We support businesses with our knowledge and experience. Our sales experts can offer customers help and advice.



SCAN THE QR CODE AND EXPLORE THE DETAILS OF THE PLANT, USING THE AUGMENTED-REALITY APP *REENE*!)