



**hensel**  
r e c y c l i n g

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## OUR CONTRIBUTION TO THE SUSTAINABLE SUPPLY OF PRECIOUS METALS

Today and in the future

Since 1998 our company has grown from a small catalyst collection business to an international specialist in the recycling of precious metals. Global changes during this time have meant that we have always had to look ahead and provide innovative solutions. Every challenge we face we approach proactively so that we can continue to impress you in the future.

To remain successful, we live the values of our family-run company. They form our strong foundations. And that's how we deal with our customers and business partners - with passion and expertise. We also place enormous value on cooperation based on trust and partnership, as well as on the accountability of each individual. Every day we set out to prove that we are your first choice when it comes to the conservation of precious metals.

A handwritten signature in black ink, appearing to read 'C. Hensel'.

Clemens Hensel

A handwritten signature in black ink, appearing to read 'Thomas L. Hensel'.

Thomas L. Hensel

A handwritten signature in black ink, appearing to read 'Oliver Krestin'.

Oliver Krestin

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## WE COMPLETE THE CIRCLE

### Precious metal recycling with passion

Materials that contain precious metals often have a long service life. The high level of demand from the industrial sector has seen sustainable recovery gain in importance. That's why it's good to have a reliable partner at your side who has mastered the precious metal recycling business, who watches trends, and who thinks ahead. From the delivery of the collected materials to the final supply of the precious metals, we're the experts by your side. Sustainability in all our process stages is extremely important to us.





### Active conservation of resources

For us, sustainability isn't just an empty promise, it's a continuous process in which all employees, from the owner of the company to the trainees, have a significant involvement. Our active contribution to the protection of the environment and natural resources is delivered with passion and conviction. We are reliable and work sustainably so that in the future we'll still be able to say:

**Hensel Recycling – Your first choice in the conservation of precious metals.**

*your first choice*

# PROCESS RELIABILITY YOU CAN COUNT ON

**Like a well oiled machine**

The higher the recycling quota, the more profitable it is for you. We work with efficient separation processes, high-precision analytical equipment and sophisticated logistics processes. That's how we reclaim as much as possible from your precious-metal-bearing materials.

To make sure this is the case, our experts in the individual disciplines develop solutions tailored to your requirements. All processes are perfectly coordinated and seamlessly interlinked.

We also offer a comprehensive range of services in precious metal management. You can select flexible payment and use price fixing options provided to you by our experts.







### **Our know-how for your added value**

Using state-of-the-art plasma technology, we are able to recover your precious metals sustainably and efficiently.

The pyrometallurgical treatment of the material is carried out in various plasma melting furnaces of our strategic partner companies. Due to different compositions in the starting material for ceramic catalytic converters, diesel particulate filters or metal catalysts, an appropriate melting process is required.

In all cases, the ceramic material is separated by means of high-temperature melting into collector metal with precious metals (platinum, palladium and rhodium) and slag. The starting material is almost completely recycled. While the precious metal containing collector metal continues to go into refining, the resulting slag is supplied to a new use. The furnaces are electrically operated and are therefore particularly environmentally friendly.

# HAND IN HAND

For mutual success

For us, being close to our customers means speaking their language. The people who work for us are the people who know your individual needs and legal requirements best – both nationally and internationally. On top of this we offer reliable service and transparent processes which, as an end-to-end solution, are one of a kind.

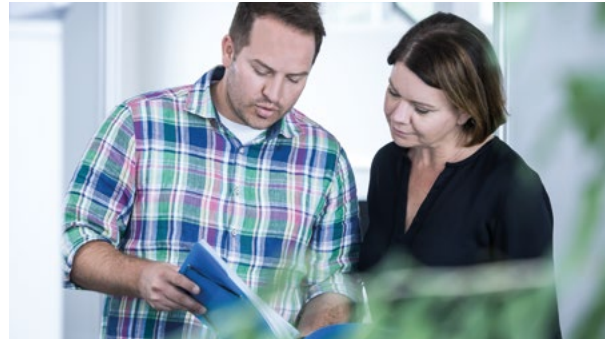
For us, being close to our customers also means maintaining a continuous dialogue based on the values of partnership. Intensive personal contact and regular customer satisfaction analyses show us what the market wants from us and, in particular, what our customers expect. And that's how we intend to develop and provide these prime solutions in the future as well.

## A glimpse at our range of services

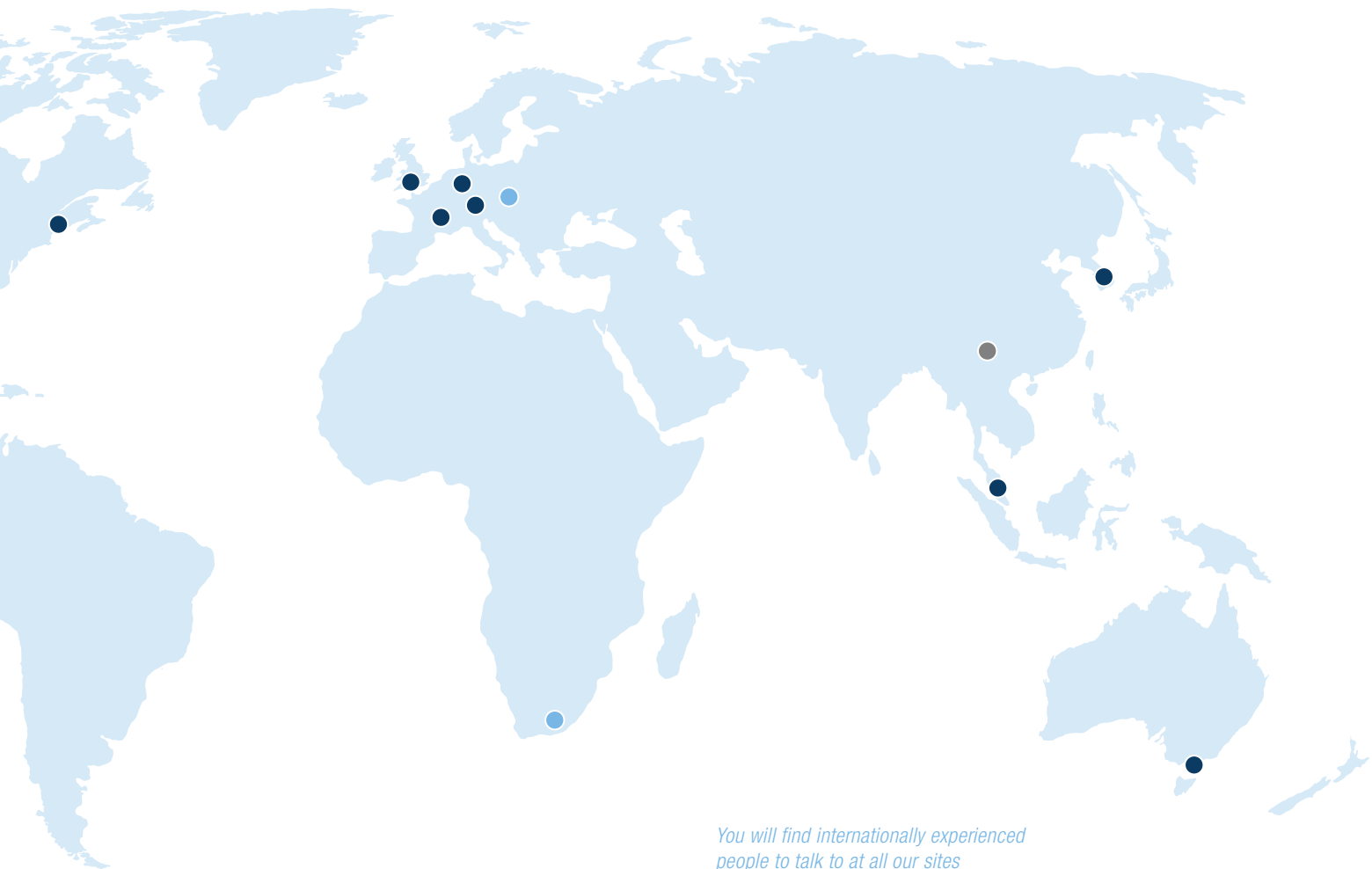
- » Collection or logistical coordination of your material
- » Transparent conditions
- » Personal service
- » Expert advice
- » Professional precious metal management
- » Processing using state-of-the-art facilities
- » Complete documentation
- » Individual purchasing and reworking solutions







- *Offices*
- *Sales offices*
- *Joint venture*



*You will find internationally experienced  
people to talk to at all our sites*

*your first choice*

## WE LIVE PRECISION

A fresh approach every day

For us precision is a matter of course. We carefully examine, sort and weigh incoming material, to make sure that we use the most efficient process to recover the precious metals.

Sample preparation is one of our most critical core competencies. In this case, a sample of around 100 grams is representative of several tonnes of material. All process steps, such as homogenisation or sample taking, clearly meet defined standards and can be reproduced at any time.



### Precise analytics for value-based accounting

A small and effective team of chemical specialists is responsible for analysing your materials to determine the precious metal content. Our well equipped laboratory has state-of-the-art technology designed for this purpose. The representative samples, which are extracted during processing, are professionally prepared and analysed. We have a wide range of precision analyses available to do this, including X-ray fluorescence analyses, wet chemical analysis using ICP-OES, matrix analyses, and analyses to determine moisture and carbon.

**Your material is in safe hands**

All processes are subject to continuous improvement within the framework of an integrated quality and environmental management system. Our sites comply with the highest security standards. We always keep a close eye on your material - either through professionals or by using state-of-the-art video surveillance and alarm systems.

We have regulatory approvals for the transportation, storage and handling of precious metal waste which comply with the respective national regulations.

Transparent documentation allows you to track your goods and understand your statements.

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## PIONEERING SPIRIT AND EXPERTISE

Creating new solutions through unique innovations

We endeavour to be your first choice in the recovery of precious metals. With this in mind, we look out for trends and search for suitable recycling solutions. Our employees consider changes in technologies, laws or global market prices as challenges and use their expertise and pioneering spirit to create new ways to recover precious metals.

The way we work is characterised by constant improvement. That's why our experts always have their finger on the pulse, optimising recycling processes and collaborating in research projects with enterprises and scientific institutes. At the same time though, we are also happy to look outside our world of precious metals and take inspiration from other industries to offer you value-added services.





## STRONG AS A TEAM TOGETHER

For a positive future

Working for Hensel Recycling means being passionate about what you do. As a strong team we look for the best solutions for our customers. Great emphasis is placed on practice-oriented training at Hensel Recycling. It is important to us that our employees take up appropriate further education to stay up to date. We don't just focus on professional qualifications either. We also feel strongly about the personal development of our employees. As a family-run company, we find the balance between work and family is extremely important. This philosophy fosters mutual respect as a basis for long-term employee relationships – our investment for the future.



### Our region – our roots

We take responsibility for each other, for our customers, but also for society and the environment. That's why we encourage and support social, sporting and cultural projects in the region. And all of this, because humanity, fairness, and corporate responsibility define our interactions and bring real value to us, our customers and our environment.

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# MILESTONES IN OUR COMPANY HISTORY

Back to the start



**2017**

Diversification:  
Commissioning of a processing plant for e-scrap

**2016**

Change of name to Hensel Recycling

**2014**

Thomas L. Hensel enters the company as shareholder and he and his brother Clemens Hensel take over the shares in the company as equal partners

**2006 – 2014**

Globalisation: Opening of branches and sales offices on all five continents



**2004**

Commissioning of a recycling plant for metal catalysts  
Certification of Duesmann & Hensel Recycling GmbH according to DIN EN ISO 9001 and as a specialist disposal company

**2003**

Admission of additional shareholders – Clemens Hensel and Ralf Duesmann  
Commissioning of our own processing plant for ceramic catalysts  
First international sales office (Czech Republic)

**1998**

Founded by Alexandra Duesmann



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