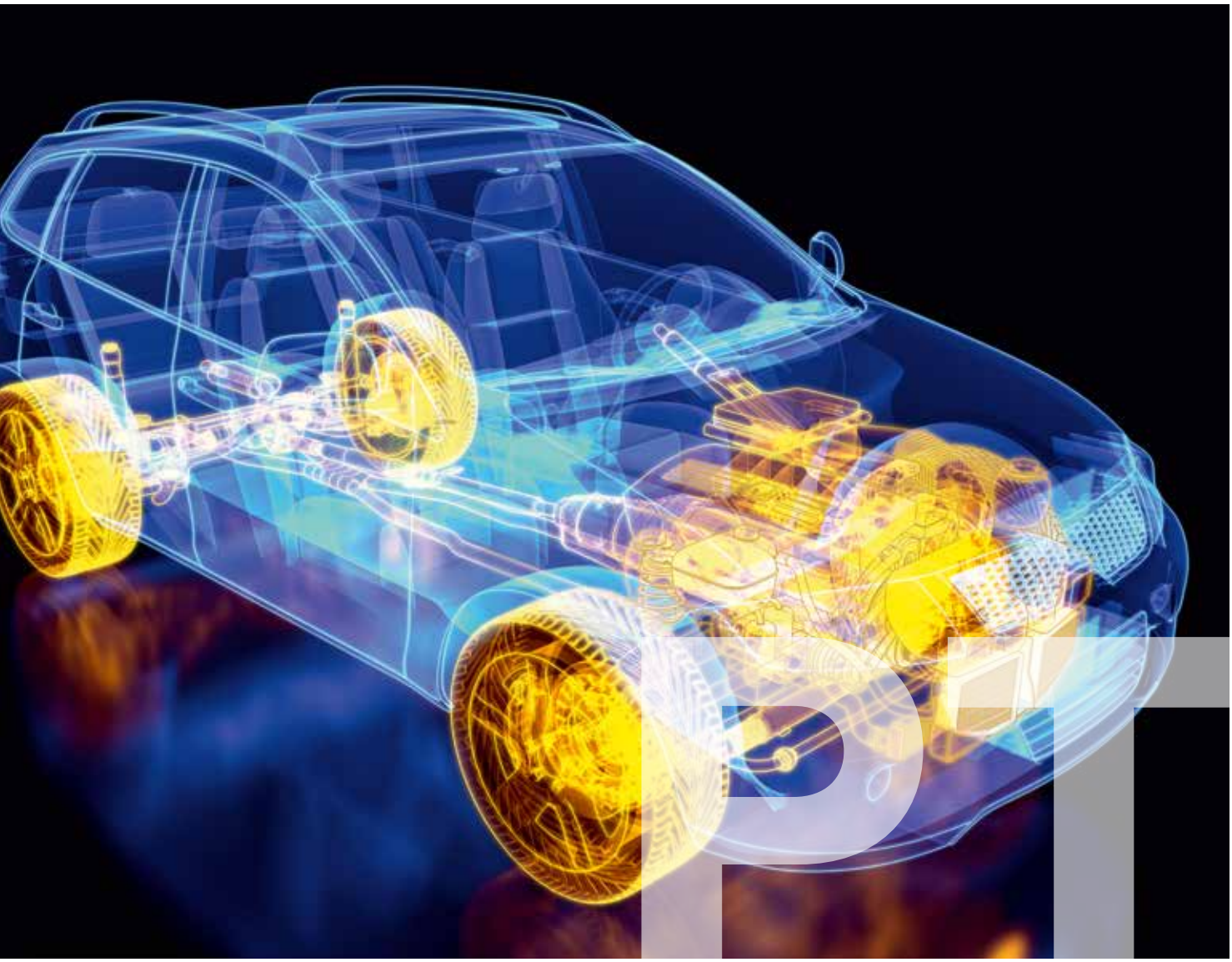
ZELLER+GMELIN

Powertrain

Lubricants for the production of powertrain components



Zeller+Gmelin
The brand with the clear plus

Zeller+Gmelin is a medium-sized, international manufacturer of lubricants, printing inks and chemicals. The company with its head office in Eislingen/Fils was founded in 1866.
With 19 subsidiary companies and many partners, we are well connected throughout the world and deliver our high-quality products to more than 80 countries.

We have understood and solved your problems for more than 150 years and will continue to do so in the future. This is how we create a tangible plus for our customers.
Because we understand the customer and develop solutions – reliably, flexibly and tailor-made.

The business unit Powertrain offers you a wide range of lubricants. Regardless of whether they are used for machining, sheet metal forming, corrosion protection agents or lubricants for your machine tools.

Powertrain

Table of contents

- Business unit Powertrain 4
- Machining, forming and corrosion protection 6
- Engine, gearbox and exhaust system 8
- Service 10
- Awards 12
- Locations 14

Please take a look at the current MSDS for all products offered.
The MSDS are always available on demand.

Business unit

Powertrain

PT

The engine is the central unit of a vehicle. However, in order to set the vehicle in motion, not only the engine but also the clutch, gearbox, drive shaft and axle differentials are required. All these components together form the powertrain.

The demands on the powertrain are subject to rapid dynamics. While E-Mobility is becoming more and more widespread, traditional combustion engines are subject to a continuous process of improvement, e.g. with regard to CO_2 limits and fuel consumption.

In order to keep pace with developments in the powertrain sector, the focus is no longer exclusively on individual components, but on the entire system.

To meet the increasing requirements, Zeller+Gmelin has a broad product range. Our portfolio includes products for machining individual engine components up to their calibration.

As far as forming is concerned, we also have lubricants for conventional deep drawing – such as for the manufacture of exhaust gas pots – up to products for solid forming.

Of course, you will also find suitable products for cleaning and preservation.

Machining, forming and corrosion protection

We offer a wide range of products for the powertrain sector, whether it is machining, sheet metal forming, corrosion protection agents, cleaners or lubricants for your machine tools.

Machining

Regardless if for turning, milling or other metal-cutting production processes – our water-miscible and non-water-miscible cooling lubricants meet the highest requirements for performance, precision and economy.
We offer advice on lubrication and machining issues, laboratory monitoring of the products we use and assistance with disposal issues.

Zubora | Our broad and state-of-the-art range of water-miscible, high-performance cooling lubricants meets the highest requirements in machining.

Multicut | Our non-water-miscible cooling lubricants are used in metal-cutting machining processes in the metalworking industry worldwide and are suitable for a wide range of applications.

Forming

Zeller+Gmelin offers you high-quality lubricants for use in sheet metal forming and impact extrusion.

Multidraw | Lubricants for user-specific solutions in sheet metal forming and as wire drawing agents for all materials.

Multipress | Extrusion oils offer high pressure absorption capacity and optimum temperature resistance for forming high-alloyed steel grades in single- and multi-stage presses.

Corrosion protection

At Zeller+Gmelin, we have been dealing with the causes and prevention of corrosion for many years to give your workpieces the best possible protection. Our R&D experts are continuously researching in order to provide you with state-of-the-art product solutions for your process.

Multicor | Corrosion protection products include high-performance dewatering fluids as well as solvent-based and solvent-free corrosion protection products for a wide variety of applications.

Other

Lubricants for machine tools
In order to provide your machine tool with optimum care, we offer you a wide range of other lubricants in addition to the machining agents.

Guideway and slideway lubrication
In order to fully ensure the precision of modern machine tools, it is required to guarantee perfect compatibility between cooling lubricants and slideway oils or EP flow greases.

Cooling fluids for high-performance spindles
Through optimum heat dissipation, the coolant ensures a constantly low temperature, thus guaranteeing maximum process reliability.

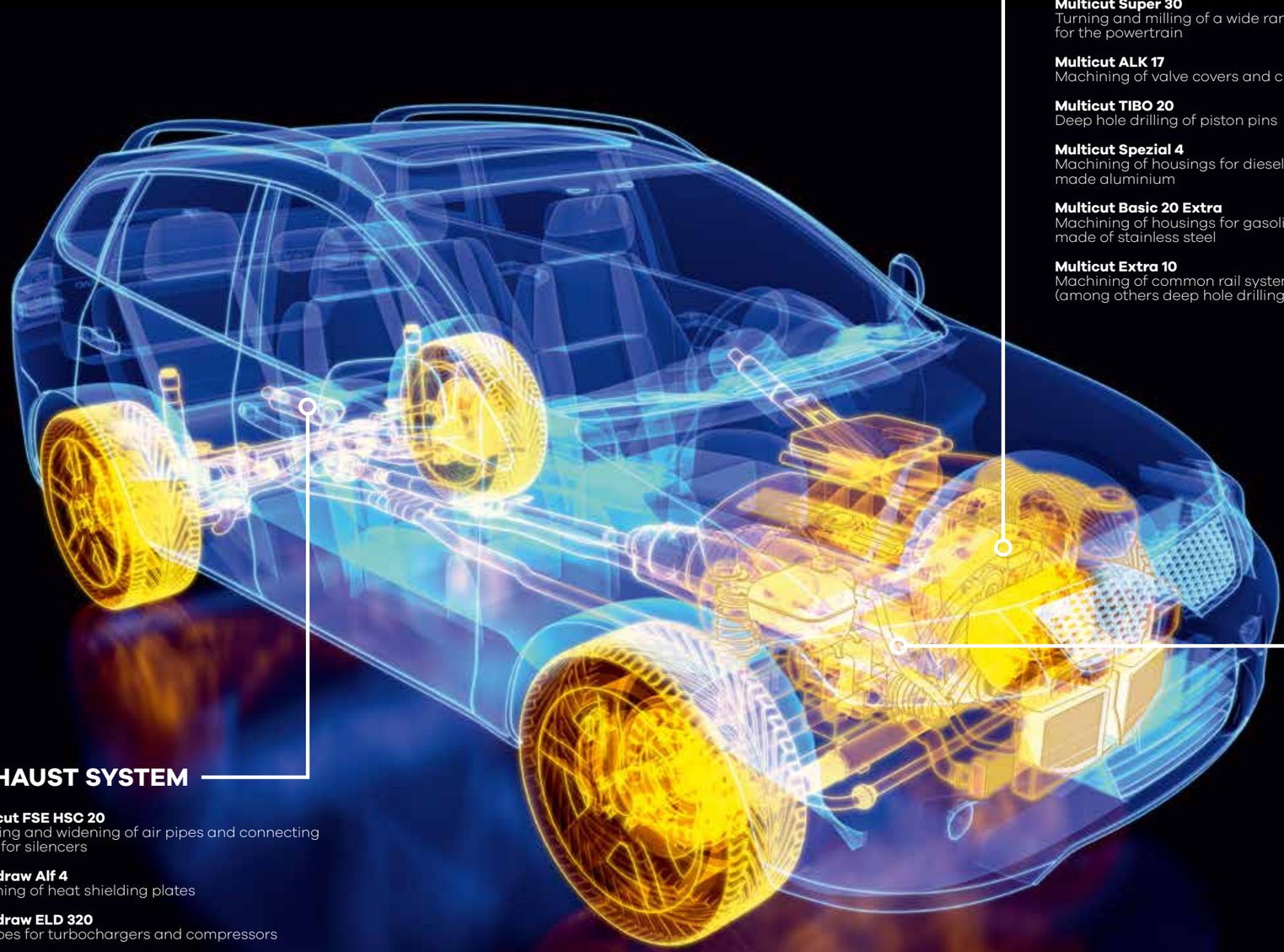
Gear and hydraulic oils
Under the brand name Divinol, Zeller+Gmelin offers high-quality gear and hydraulic oils specially designed to meet the requirements of modern machines and maintain their performance, precision and availability.

Cleaners
For optimal cleaning of your parts, Zeller+Gmelin offers a wide range of cleaners for pre- and post-treatment. We have product solutions for all common materials and cleaning systems and can also offer you individual product developments for your process-specific requirements.

Divinol Cleaners | From water-based to solvent-based cleaners – we have the right, customized solution for you.

Greases
Under our brand name Divinol, we develop and produce high quality branded lubricating greases “Made in Germany” for a broad range of applications in a wide variety of sectors and industries.
Our customers worldwide trust the high quality of our greases as well as Zeller+Gmelin as a development partner for new grease solutions.

Engine, gearbox and exhaust



ENGINE

Divinol CAF
Calibration and functional testing of the injection system for diesel engines

Divinol MBC-A10/A11
End-of-line testing of diesel engines

Divinol Test Fluid GS
Calibration and functional testing of the injection system for gasoline engines

Multicut Honolit Plus 4 und 7
Honing of aluminum crankcases

Multicut M 25
Calibration of sintered camshaft phasing units

Multicut Super 30
Turning and milling of a wide range of components for the powertrain

Multicut ALK 17
Machining of valve covers and crankcases

Multicut TIBO 20
Deep hole drilling of piston pins

Multicut Spezial 4
Machining of housings for diesel injection pumps made aluminium

Multicut Basic 20 Extra
Machining of housings for gasoline injection pumps made of stainless steel

Multicut Extra 10
Machining of common rail systems made of steel (among others deep hole drilling and threading)

Multicut Grind 8
Grinding of diesel injection system components made of steel

Multical product line
Calibration of belt pulleys and sprockets for internal combustion engines

Multidraw ALF 4
Punching of cylinder head gaskets

Multipress SSP 70 und 120
Extrusion of piston pins

Zubora 67 S Plus BR
Grinding of various components for injection systems made of steel, stainless steel and aluminium

Zubora 30 FD
Machining of brass engine bearings with silicon

Zubora 65 H Plus
Fine machining (cylindrical grinding) of crankshafts

Zubora 65 H Extra
Grinding, turning, drilling, milling of various components for the powertrain

Zubora 65 H Ultra
Machining of various components for injection systems made of steel, stainless steel and aluminium

Zubora 67 H Ultra
Machining of components for the radiator – such as covers and base bodies - made of steel and aluminium

Zubora 67 M Extra SAH
Hobbing and grinding of round material
→ raw material production for engine and gearbox parts

GEARBOXES

Multicor DW 3 Spezial Light
Corrosion protection after ECM deburring

Multicut Ultra 10 / Ultra 15
Gear cutting and grinding, cylindrical grinding

Multicut Super 20
Broaching of splines/internal gearing

Multicut Grind HP 8
Gear machining, grinding

Multicut SE 25
Machining of components for gearboxes

Multical M 50 / M 5 / M 9 / M 3
Powder pressing, sintering and calibrating of stators and gearboxes

Multidraw WM product line
Forming of disk carriers

Zubora 65 H Extra
Grinding of flanges for converters

Zubora 67 H Extra
Machining (turning, milling, drilling) of drive shafts

Zubora 67 M Extra SAH
Hobbing / and grinding of round material
→ raw material production for engine and gearbox parts

Zubora 67 H Ultra EP
Deep hole drilling of gearbox shafts

Zubora THG
Grinding of permanent magnets for electric motors and position sensors

Zubora TKG
Grinding of components for mechanical safety of the hand brake

EXHAUST SYSTEM

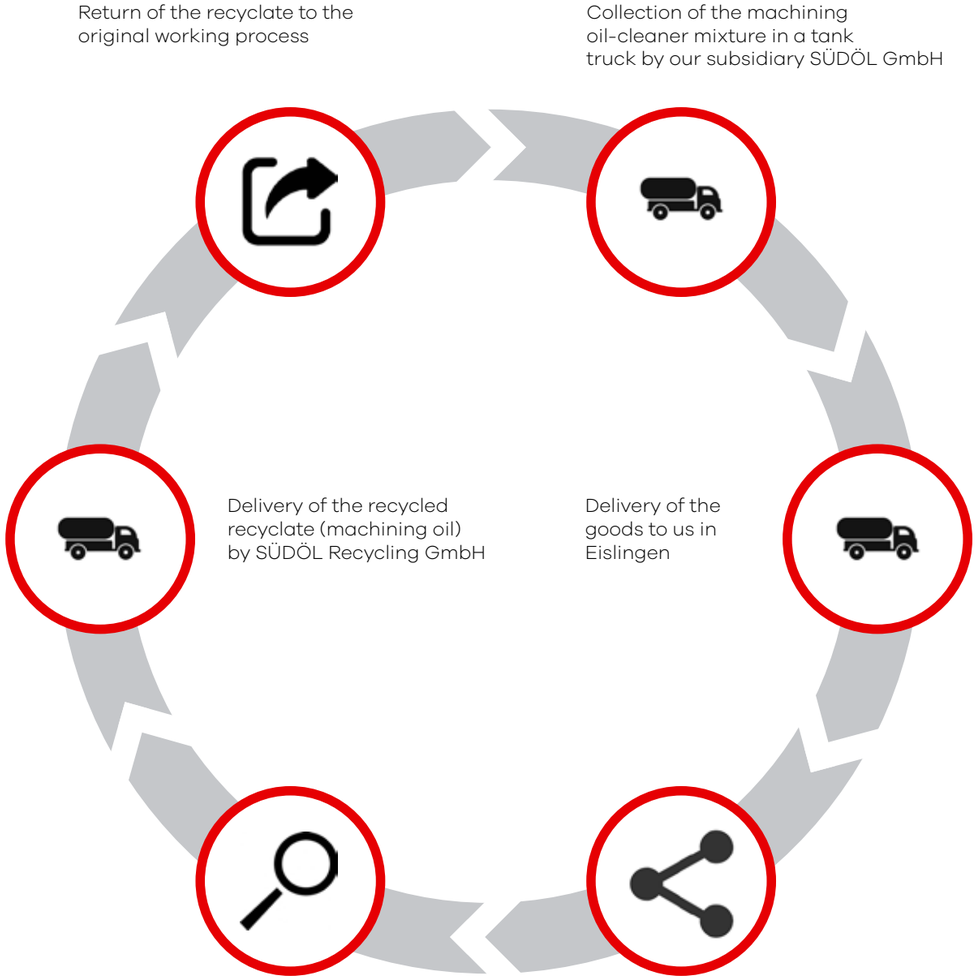
Multicut FSE HSC 20
Flanging and widening of air pipes and connecting pipes for silencers

Multidraw Alf 4
Punching of heat shielding plates

Multidraw ELD 320
Air pipes for turbochargers and compressors

Full service – We have your used oil under control

We collect the used oil directly from your site and take care of the economic and ecological recycling for you.



Save resources + protect climate

The return of used raw materials and products to the economic cycle is an important building block for increasing resource efficiency, for the natural resources and ultimately to safeguard our future.

CO_2 footprint

The CO_2 footprint of a product is an important approach for assessing the resource efficiency of a product and to make it comparable.
The product carbon footprint records the greenhouse gas emissions that occur during the entire product life cycle. It captures the impact of:

+ Raw materials and prefabrication
+ Production
+ Distribution and sales
+ Use phase
+ Recycling and recovery

For our **Multicut Recyclate MB UT** cutting oil, the PCF (Product Carbon Footprint) was determined according to **DIN EN ISO 14067:2019** using the "cradle to gate" approach – including the transport of the used oil for reprocessing.

The underlying reprocessing method is simple, efficient, and resource-conserving: Used oil is transformed into a high-quality cutting oil with a significantly lower CO_2 footprint than conventionally produced products.

Zeller+Gmelin has made targeted investments in the necessary infrastructure to make such sustainable cycles economically and ecologically sound. Our goal is to continue implementing projects that conserve resources, reduce environmental impact, and improve our customers' CO_2 balance.

Process oil at a German premium automobile manufacturer before and after recycling

Process oil at a German manufacturer of common-rail injection systems before and after recycling

Awards

Anyone who receives the Bosch Global Supplier Award should be considered as one of the best industrial suppliers in his sector:
Zeller+Gmelin received the award for the sixth time already in the category »Indirect Purchasing«.

The criteria of quality, cost awareness, innovation and logistics were decisive for the awarding of the Bosch Global Supplier Award.
The motto of the 2017 award ceremony was »Partners in Success«.

Awards:
2017 / 2015 / 2013 / 2010 / 2005 / 2003
Supplier Award for the best lubricant supplier of the Bosch Group.

At home + Abroad

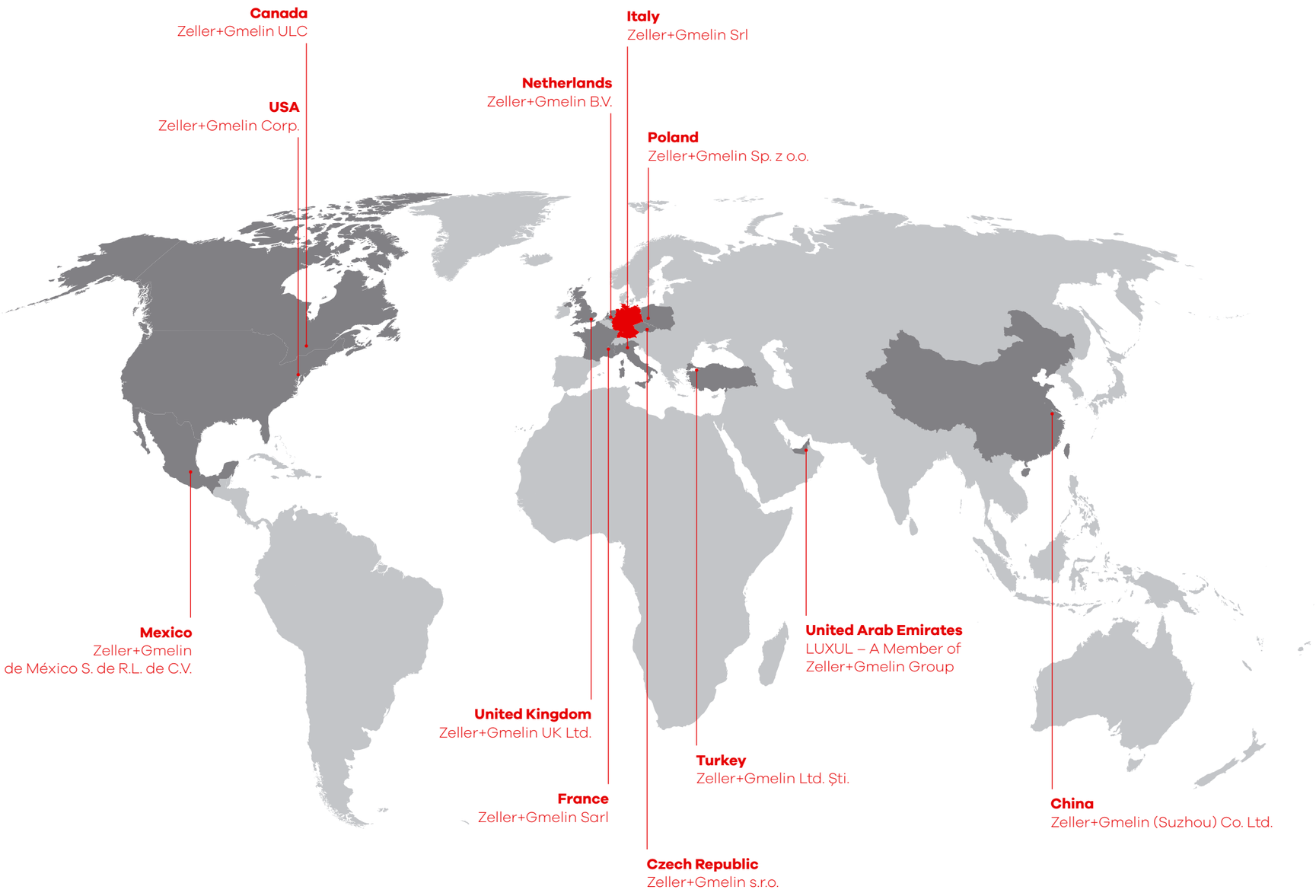
We are your plus.

Zeller+Gmelin has got offices worldwide, plus its head office in Eislingen in Baden-Württemberg. Our name stands for reliability and quality, at all times. Our subsidiaries and partners with all their employees ensure this on a worldwide basis.

The distinct expertise of our sites and our smooth cooperation are beneficial not just to us, the company as a whole – but also to you, the customer.

The concentrated competence and understanding of processes, application and development, coupled with problem-solving skills and personal advice, are what make Zeller+Gmelin a global figure when it comes to understanding and solving your problems.

Germany
Zeller+Gmelin GmbH & Co. KG
ZG Fluidmanagement
SÜDÖL Mineralöl-Raffinerie GmbH
SÜDÖL GmbH
SÜDÖL Recycling GmbH



EXPERTLY DONE.

Zeller+Gmelin GmbH & Co. KG · Schlossstraße 20
73054 Eislingen/Fils · Germany
Phone: +49 7161 802-0 · info@zeller-gmelin.de
www.zeller-gmelin.de

0726