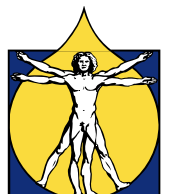


# Company profile



## Innovations since 1887



# Actions speak louder than words



## Company policy

According to our principle

**„HUTEC – Human Technology for Man, Environment and Machines“,**

we actively protect the environment under economical aspects using our certification DIN EN ISO 14001 as well as modern production methods.

To meet those requirements our goal is to gain an acceptable income return considering the customers' wishes, the needs of our employees, the requirements of the public and of the law.



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# Innovation as the key to success !

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**“Innovative fluid management and stringent product development and quality assurance are the key to the success of our products.”**

## Preface

oelheld GmbH in Germany is a medium-sized business which can look back on 125 years of tradition and experience. Since its foundation in 1887 by Carl Christian Held oelheld GmbH has established as a lubricant specialist. Partnership, research and Human Technology are grown values and are our tradition that we are proud of.

Numerous machine manufacturers and universities are developing together with us products that are especially designed to the requirements of their machines. This kind of cooperation allows us to meet the specific requirements of our customers and adapt our fluids to the different applications.

Our laboratories are equipped with state of the art analysis and testing devices which meet the latest standards and satisfy our customers' wishes.

I am confident that you will find the information at your disposal enlightening and hope for a trustful and forward-looking cooperation.

Sincerely Yours

A handwritten signature in blue ink, appearing to read "Dr. Storr".

Dr. Manfred Storr  
CEO managing director



# The backbone of the company



## Human Technology

Human technology is not just a trademark at oelheld GmbH – it is a guiding principle. Low risk potential as well as environmental safety of the products and the application are most important for us.

Following the principle we develop fluids that are best-suited for the application of our customers but also provide the best possible health and environmental aspects. Therefore our production plant is based on special sealed floors and equipped with the latest blending technology which provides additional safety.

Human Technology for Man, Environment and Machines – our contribution toward a better future!

- We meet all requirements according to REACH
- Skin approvals are available for most of our products
- Our products create very low mist
- Our products are free from heavy metals
- Our company is certified according to DIN EN ISO 14001

# Our Employees

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## **Together we are stronger**

Employees at oelheld are global players and are worldwide in the field for their customers. Whether in Europe, Australia, the United States of America, Asia or in Russia – everybody works for quality and innovation.

Many employees remain true to the company and strengthen the values of tradition and team spirit.

Internal and external training on a regular basis demands dedication to life-long-learning. Selected training gives important information on the continuously changing market demands. This knowledge is the base for economical success and growth.

Your contact person will give you a competent, detailed and comprehensive answer.

Do not hesitate to inform us on your wishes, ideas and suggestions – we are innovators and strive to improve continuously for you.

# Reliability guaranteed



## Quality under guarantee since 1996

The certificates according to DIN EN ISO 9001 and DIN EN ISO 14001 prove our solid standards regarding products and service quality.

All processes are liable to the same strict requirements and are reviewed regularly by internal and external parties regarding efficiency and improvability.

In order to achieve our company targets our employees with their engagement and experience are an important factor. Therefore they are trained continuously according to their specific jobs demands.

Reliability, competence and consistent high product quality for the satisfaction of our customers are our main principles.

# History

# 1887



The construction of the Eiffel tower starts

**1914 - 1918**

The murder of Franz Ferdinand starts WW I.



**1887**

Founded by Christian Held  
Manufacturing of machine oils and greases

**1888**

Registration of the first trademark "STANDARD OIL",  
production of the lubricating oil for turbines  
"PARATHALPIN" for Voith.

Delivery to all parts of Germany and first export activities.





# 1932



VII. Olympic summer games



1929

Black Friday



1920

Foundation of the subsidiary in Bochum, Germany.

Production of the first petrol-benzol-mixtures

Production of engine oils using Russian and Pennsylvanian basic oils

Production of watersoluble coolants, cutting oils, corrosion preventive oils and greases for the metal working industry as well as special fluids for the textile and leather industry.

1927

Dr. Alfons Storr joins the company of Carl Christian Held.

# History

# 1933



**1939**

World War II starts



**1943**

The married couple Lazarenko develops the principle of spark erosion.



**1938**

Dr. Alfons Storr acquires all shares of the company.

Conversion of the company renaming into: OEL-HELD Dr. A. Storr

**1944**

The oelheld premises are fully destroyed after an air attack of the allied airforces.

# 1972



**1955**

The recovery of the economy in Germany begins.



**1969**

First moon landing



**1951**

15 petrol stations distribute fuel under the name DEA (Deutsche Erdoel AG).



**1965**

Oel-Held becomes shareholder of AVIA.





# History

# 1973 -



**1974**

Germany becomes football world champion in its own country.



Fall of the Berlin wall.



**1973**

Dr. Manfred Storr becomes managing director.

Enlargement of the lubrication fluid sector starts.

**1989**

Change of name into OEL-HELD GmbH.

# 2001



**1997**

The sovereignty of Hong Kong is returned to China.



**1995**

The patent of lonoPlus IME-MH is issued.

**1996**

Foundation of oelheld China

Certification according to DIN EN ISO 9001.

oelheld is extending its quality management.

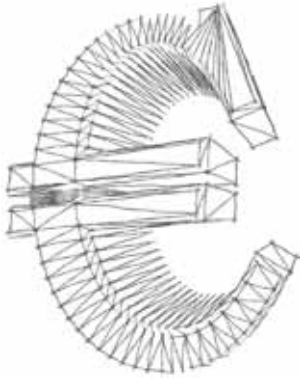
**1998**

Foundation of oelheld (U.K.) Ltd. in Denbigh, United Kingdom.



# History

# 2002



Introduction of the EURO.



The "Frauenkirche" in Dresden, Germany is reconstructed.



**2002**

Construction of the new administration building and enlargement of the laboratory capacities at the German headquarter.

Change of name to oelheld GmbH.

**2005**

Foundation of oelheld S.A.S. in Forbach, France.

Foundation of oelheld US, Inc. (USA) in Elgin, Illinois.

**2006**

Entry of Philipp Storr in the group of companies.



# 2010



Nicolas Sarkozy wins the presidential elections in France.



The second adjuration of the 44. president of the United States of America Barack Obama.



**2007**

Certification according to DIN EN ISO 14001.

oelheld is now meeting the worldwide accredited standards of the environmental management system.

Entry of Martin Storr into the oelheld group.

**2009**

The management board is restructured for the future business.

Philipp Storr is appointed Managing Director of oelheld US, Inc. Hagen Schurer is the new Managing Director Sales. Martin Storr is Managing Director and becomes assistant to Hagen Schurer.

**2010**

After 45 years oelheld quits the AVIA to ensure its independence.

# History

# —2012



125th anniversary of the patenting of the first automobile by Carl Benz



**EXPO 2012**  
YEOSU KOREA



World exhibition in Yeosu, South Korea



**2011**

Foundation of Storr oelheld Trading Co., Ltd. In Shanghai

The commercial manager Bernd Wagenhals becomes authorised signatory.

**2012**

oelheld is celebrating its 125 year jubilee. The Mercedes-Benz Museum in Stuttgart provides the perfect venue.





## Technology center and tool grinding

oelheld is as the market leader in erosion and tool grinding the innovator for the branch. To keep and enlarge this standard oelheld has its own technology centers for grinding and eroding.

Developments in die sinking, wire cutting and fast hole drilling are made in our EDM-technology center in Stuttgart. Our application engineers will help you anytime in case of scientific and application-specific questions. The cooperation with universities e.g. RWTH Aachen, KU Leuven, Hochschule Karlsruhe, Uni Stuttgart etc. allows us to realize the development on the current status.

Our technology centre for tool grinding is led by a long time cooperation-partner. Grinding oils and grinding wheels become tested under the most extreme conditions on the most recent grinding machines. The goal is to advance grinding oils and grinding wheels constantly to offer our customers even in the future technological superior products. oelheld possesses decades long knowledge and is supplier well-known companies.

# Leaders in innovation by tradition

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## Research and development department

The engineers and technicians in our Research department develop tailored products here that have proven themselves worldwide for many years using the latest basic oil and additive technologies.

Metal processing oils, dielectrics and water-miscible cooling lubricants account for the largest proportion of our broad assortment of basic products. We regard these areas as our spheres of key competence and have proved this through numerous patented and extremely successful products.

Should you need more than just a standard product or wish to increase the productivity of your production, come to us and put our laboratory to the test. We guarantee a long service life for many of our products and also carry out regular analyses of your products currently in use.

New research projects are the catalyst for permanent further development of existing products. Therefore we are in the position to develop new technologies and realize customer specific demands. We guarantee you that we are always acting at the pulse of time. Challenge us !





# A selection of our best products



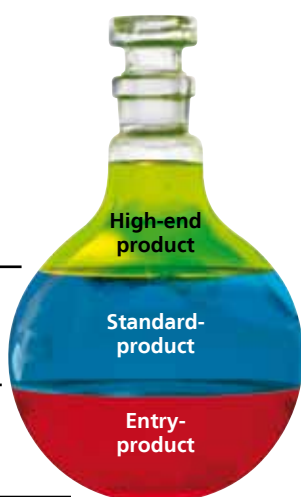
## Dielectrics

Our dielectrics for EDM can be sub-divided into 3 product categories:

IonoPlus® range

IME range

EcoSpark 105



Whether for roughing work or use in ultra-fine finishing – the dielectric has to satisfy the very specific requirements for every application. The high-performance dielectrics from oelheld are made from synthetic base oils and contain discharge-intensifying, wear-reducing additives and ageing inhibitors for use in electric discharge machining (EDM).

By contrast with the conventional mineral oil products, the high-purity synthetic products enriched with the oelheld-patented satellite electrodes from the IonoPlus® series are manufactured in a special blending process.

The dielectrics from oelheld have been tested in extensive series of trials and have proved to be effective in practice for decades. Leading manufacturers of erosion discharge machines and filters expressly recommend our grades. The dielectrics have very high disruptive strength, are as clear as water (except IonoPlus®) and practically odourless. Furthermore, they achieve the degree of purity of pharmaceutical white oils and are more or less free of aromatics.

EDM  
wire cutting machines:  
IonoFil / ControFil 2

EDM  
fast hole drilling machine:  
IonoVit® S



## **Water-soluble products**

The well known disadvantages with water-soluble metalworking fluids (corrosion in machines and work pieces, sticky residues in machines, low tool life, fungi and bacteria development, etc.) had been for Dr.Storr and his research and development department the motivation to break new ground and to develop new products which guarantee that most of the well known disadvantages will be a thing of the past.

With the new designed product line AquaTec we are able to offer you a product that is solving most of the above mentioned disadvantages, is elevating your process stability and is reducing your ongoing costs at the same time.

### **AquaTec - Your benefits -**

- Extreme long life without use of additional additives
- Reduced coolant maintenance
- No foam problems
- Universal use possible on single and centralised filtration systems
- High cleaning efficiency
- Low air pollution
- Good corrosion protection
- Improved tool life
- Better surface finish



# The philosophy of grinding



## The right grinding fluid for every machine

The choice of the right product depends essentially on the respective process factors. A fundamental qualitative preselection can, however, be made. As polyalphaolefins are synthetically produced basic oils, they not only have a particularly high purity but are also characterised by their resistance.

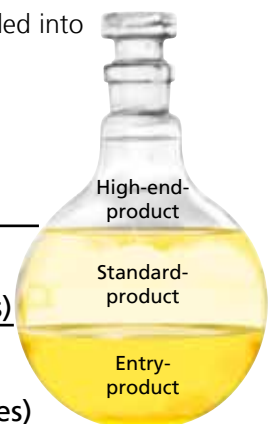
The incorporation of special additives developed in oelheld's own laboratories, products are created that impress with their versatility and quality.

Our grinding fluids can be divided into 3 product categories:

PAO – Polyalphaolefin  
(SintoGrind series)

Hydrocrack  
(DiaGrind/ DiaMond series)

Mineral oil/ Hydrocrack  
(GearGrind/ToolGrind series)



# Protect ! lubricate ! insulate !



## AirForge® - Glass Coating

The AirForge® products have been primarily developed for the aeronautical forging industry. The principal objective was to develop a glass coating to protect the work piece against corrosion, gas diffusion and good heat retention. Also the best lubrication for the forging process is guaranteed.

These properties lead to excellent material flow during the forging operation, for parts out of titanium-, nickel based or special steel alloys.

Because of the exceptional high elasticity of the lubricating film, AirForge® is capable of following complex geometry, thus reproducing fine details from tool forms.



# Our product range



## Metal working lubricants

- Dielectrics
- Deep drawing fluids
- Grinding fluids
- Punching fluids
- Cutting fluids
- Lapping fluids
- Honing fluids
- Deep hole drilling fluids
- Forming fluids



## Industrial lubricants

- Hydraulic fluids
- Spindle coolants
- Biodegradable lubricants
- Slideway fluids
- Synthetic lubricants
- Gear oils



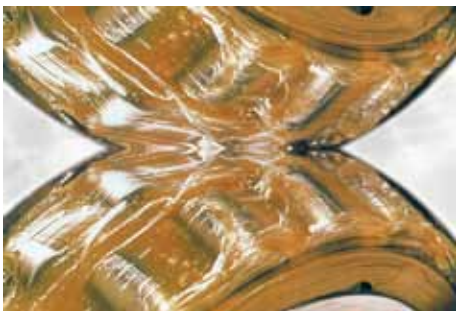
## Automotive lubricants

- Engine oils for petrol and diesel engines
- Hypoid gear fluids
- ATF transmission fluids
- 2 stroke engine oil
- Automotive greases



## Watermixable products

- Synthetic coolants
- Semisynthetic coolants
- Mineraloil based coolants
- System cleaner



## Greases

- Multipurpose greases for bearings
- Spezial greases for extreme conditions
- Greases for gears



## Peripheral products

- Fluid management
- Machine cleaners
- Fluid management equipment
- Cleaning agents
- Skin protection
- Corrosion protection
- Oil absorbent



## Partner products

- Vomat Filter systems
- coolgrind grinding systems

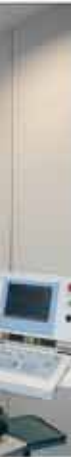
We are also producing products according to special customer requirements. Please feel free to contact us anytime.

# Company overview

## Company profile

- Founded: 1887
- Member of the employer association of the German chemical Industry
- Member of the German lubricant association
- Member of the Accident Prevention & Insurance Association of the German chemical Industry
- Managing director: Dr. Manfred Storr, Hagen Schurer
- Number of employees: 78
- Turnover in 2011: 23.77 million €
- Export ratio: 45 %





## Imprint

oelheld GmbH - innovative fluid technology  
Ulmer Strasse 135 - 139, 70188 Stuttgart  
Telefon: +49 (0) 7 11 / 1 68 63 - 0  
Telefax: +49 (0) 7 11 / 1 68 63 - 40  
E-Mail: [hutec@oelheld.de](mailto:hutec@oelheld.de)  
Internet: [www.oelheld.de](http://www.oelheld.de)

CEO Managing Director: Dr. Manfred Storr, Hagen Schurer  
Editorial office: oelheld GmbH  
Design: Stephan Roßmann

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# High-tech products for machines – worldwide!

oelheld GmbH is not only represented with its own sales offices and production plants in France, Great Britain and the USA, but also has various representatives in most countries.

**oelheld U.S., Inc.**  
1760 Britannia Drive, Unit 1  
Elgin, Illinois 60124  
phone: +1-(847)-531-8501  
fax: +1-(847)-531-8511  
E-Mail: [hutec-us@oelheld.com](mailto:hutec-us@oelheld.com)  
web: [www.oelheld-us.com](http://www.oelheld-us.com)

**oelheld UK Ltd.**  
Unit 16, Colomendy Business Park, Erw Las  
Denbigh, LL16 5TA.  
Tel: +44 (0)1745-814-777  
Fax: +44 (0)1745-813-222  
E-Mail: [sales@oelheldgroup.co.uk](mailto:sales@oelheldgroup.co.uk)  
Internet: [www.oelheld.com](http://www.oelheld.com)



**oelheld technologies SAS**  
Technopôle de Forbach-Sud  
140, Avenue Jean-Eric Bousch, 57600 Oeting  
Téléphone : +33 (0)3.87.90.42.14  
Télécopie : +33 (0)3.87.84.66.91  
E-Mail : [hutec@oelheld.fr](mailto:hutec@oelheld.fr)  
Internet : [www.oelheld.fr](http://www.oelheld.fr)

**oelheld (Shanghai) Trading Co., Ltd.**  
Room 1908, Hitime International Building  
No.888, Sichuan Road(N)  
Hongkou District, Shanghai, 200080  
Phone: +86-21-36521751  
Fax: +86-21-36521753  
E-mail: [hutec@oelheld.com.cn](mailto:hutec@oelheld.com.cn)  
Internet: [www.oelheld.com.cn](http://www.oelheld.com.cn)

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- Ukraine
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Human Technology  
for man, environment  
and machines

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innovative fluid technology

oelheld GmbH - innovative fluid technology • Ulmer Strasse 135-139 - 70188 Stuttgart - Germany  
Telefon: +49 (0) 7 11 / 1 68 63 - 0 • Fax +49 (0) 7 11 / 1 68 63 - 40 • [hutec@oelheld.de](mailto:hutec@oelheld.de) • [www.oelheld.de](http://www.oelheld.de)