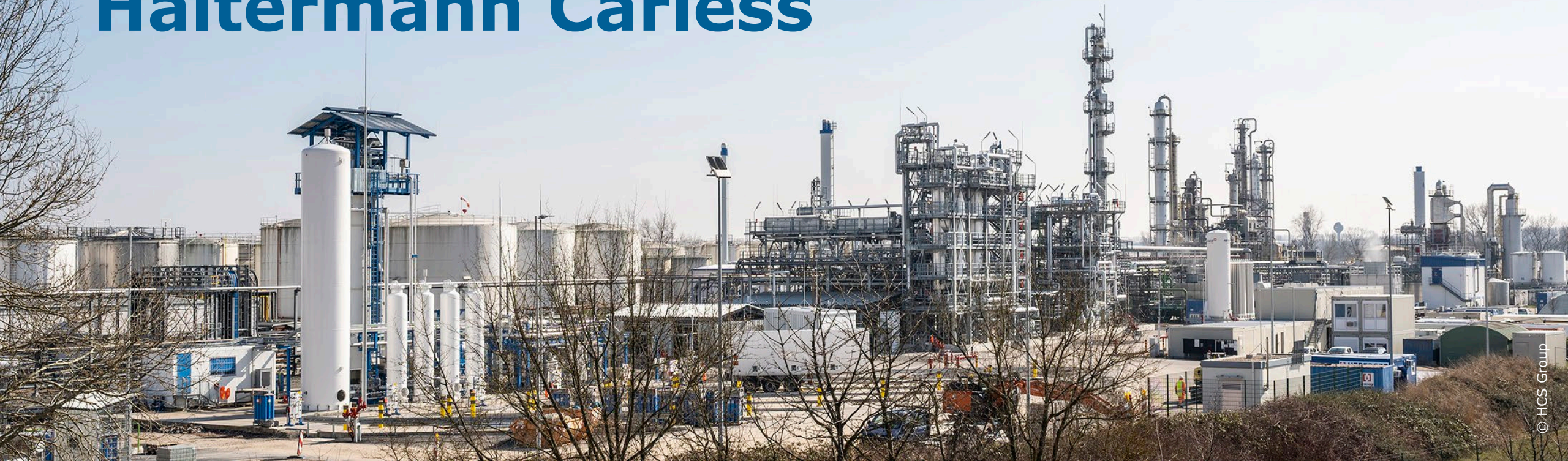


# Welcome to the world of Haltermann Carless





# Leading by tradition

More than 160 years of experience

- A leading global provider of solutions for high-value specialty hydrocarbons
- Global company with strong European roots (DE, FR, UK)
- Combining chemistry with petrochemical expertise and bespoke formulation know-how
- A combination of Haltermann and Carless, two of the pioneers of hydrocarbon supply in Europe with over 160 years of experience
- Active in variety of markets covering automotive, pharmaceutical, agrochemicals, energy sector
- Products with leading market positions, serving local and global blue chip customers
- Since 2011 part of HCS Group GmbH
- 500 employees worldwide

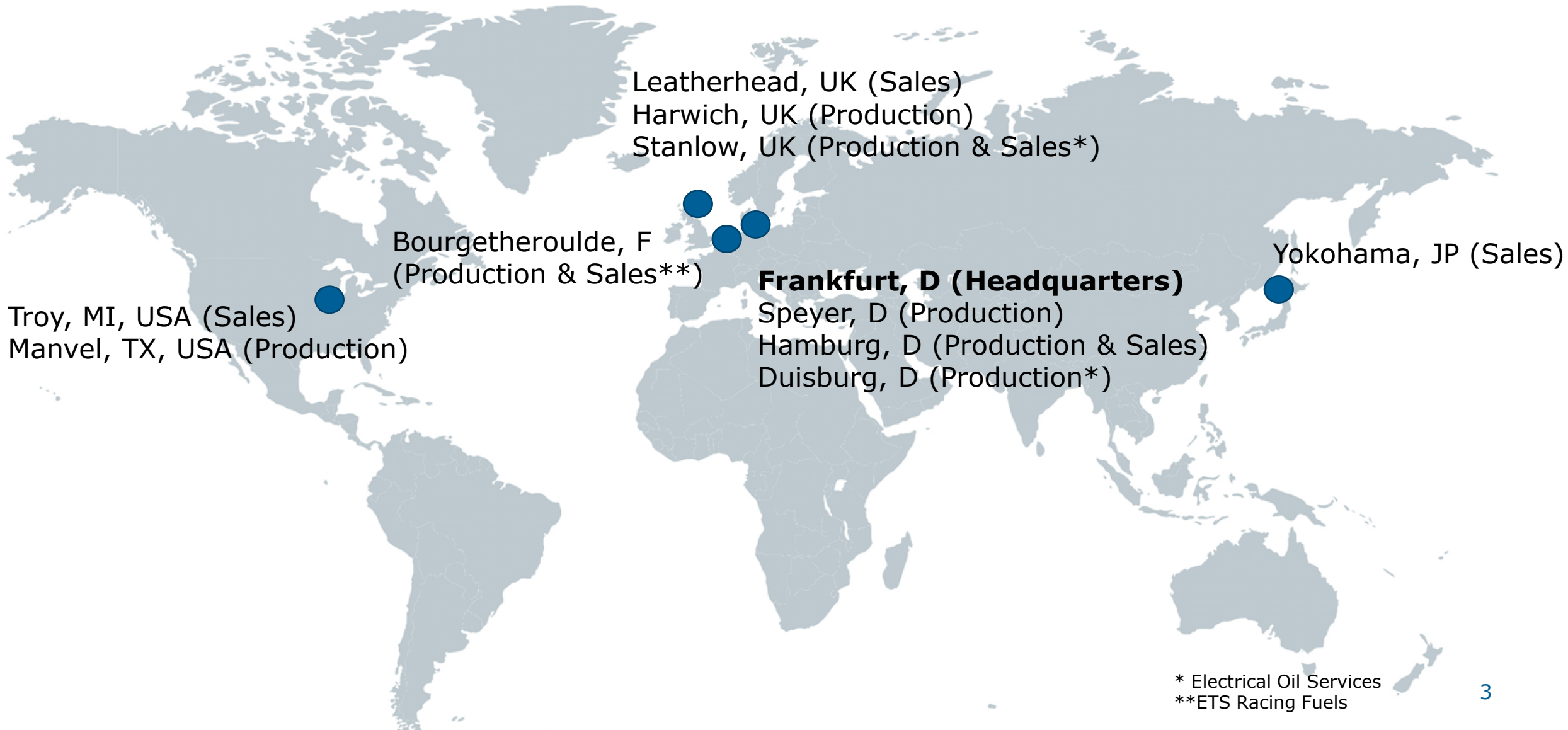


1859 - 2023



# Worldwide presence

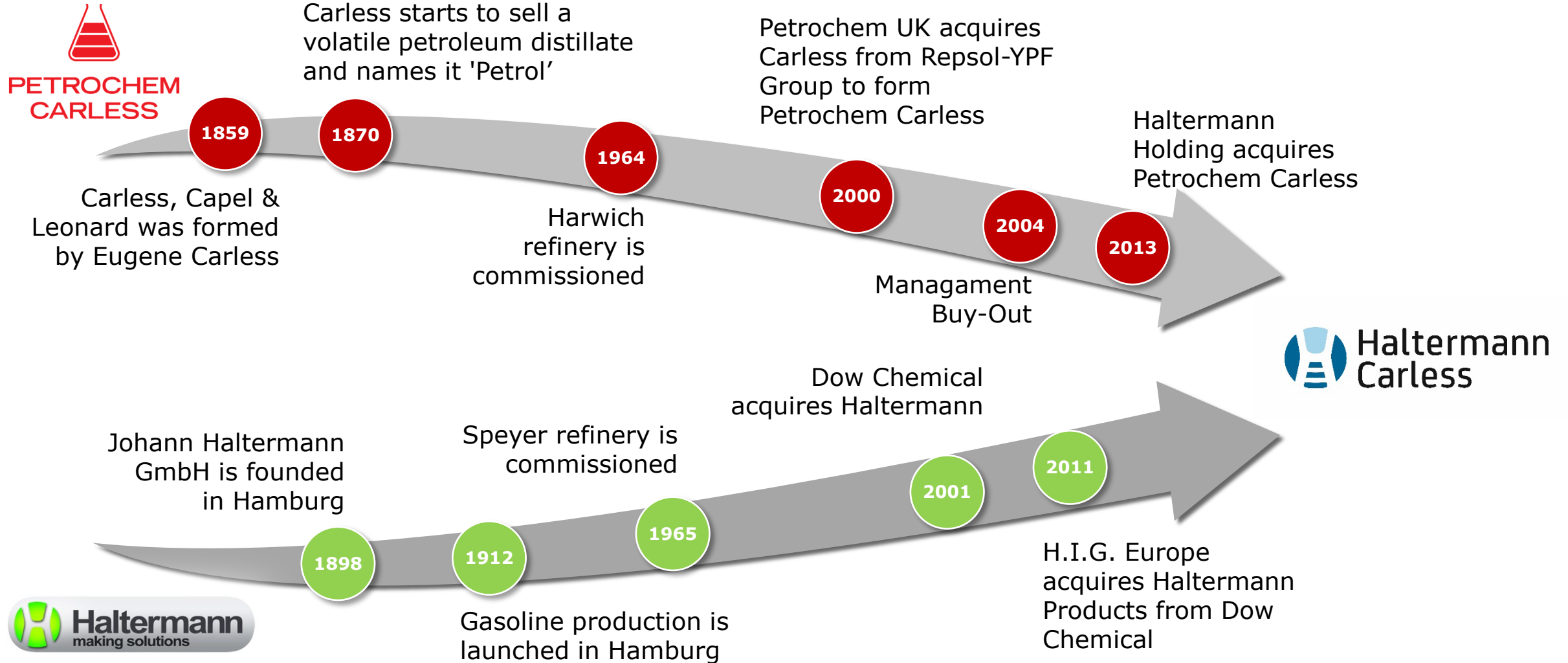
Production sites & sales offices



\* Electrical Oil Services  
\*\*ETS Racing Fuels

# A Company of Tradition

## Haltermann Carless History



# Haltermann Carless is the traditional and strong brand of HCS Group



**2011**  
Services & Solutions Business



Special Fuels Business



Tailored Solvents Business



Electrical Oil Services

**Carless,  
Capel & Leonard**  
Founded 1859

**Haltermann**  
Founded 1898

Solution

Solvents

## **Our Vision**

**A pioneer of high-value  
specialty hydrocarbon solutions**





# Sustainable performance

## Gold-Status from EcoVadis CRS

*"We are very proud that HCS Group has been awarded Gold status by EcoVadis for the third time in succession."*

*The recognition rewards our strong commitment to sustainable business practices across our value chains and it assures our customers and partners of the continuous improvement measures we take to be a most trustful and responsible global supplier."*

Henrik Krüpper, CEO HCS Group



# Sustainable Aviation Fuels (SAF)

Reducing the impact of global air traffic

- SAF will play a key role in aviation's ability to reduce Greenhouse Gas Emissions (GHG)
- We anticipate to be first large scale producer of SAF in Germany with production of approx. 60,000 mt of SAF, advanced biofuels and renewable hydrocarbons by 2025
- Product designed to deliver up to 80 % reduction of GHG emissions\* across product lifecycle
- Simple drop-in fuel solution for existing aircraft utilising airport infrastructure
- Alcohol to Jet (ATJ) is a demonstrated and future-proof SAF technology allowing feedstock flexibility
- Haltermann Carless production site in Speyer is ideally suited for SAF production

\*compared to fossil fuels





# Quality assured

## Certifications

- 
- **ISCC PLUS & ISCC EU**
    - For major production sites
  - **ISO 9001 (Quality Management)**
    - All Sites
  - **ISO 14001 (Environmental Management)**
    - Manufacturing Sites
  - **ISO 45001 (Occupational Health & Safety)**
    - UK Manufacturing sites
  - **ISO 50001 (Energy Management)**
    - Manufacturing Sites
  - **ISO/IEC17025 accreditation DAkkS**
    - Laboratory Hamburg, Germany
  - **Responsible Care**

# Key to success: quality & reliability

High-value products for various applications

#2 globally



Performance Fuels



Racing Fuels

#2 globally



Aromatic Solvents

#1 in Europe



Performance Solvents

#1 in Europe



Pentane



Middle Distillates

#1 in UK



Energy Products & Service



Oxo Products

# Key to success: 360° Service

Comprehensive services to support your success





# Our contribution towards....

**improved efficiency**

**higher performance**

**trusted purity**

**sustainability**

**successful power**



# Our contribution to energy saving

## Pentanes as a key material in blown foam applications

### Market needs:

- Energy efficiency
- Enhanced insulation properties
- Substitution of halogenated solvent systems (HCFC and HFC)
- Regional differences and compositions

### Our solution:

- Tailored pentane blends to meet market and application needs
- Mass balance Pentane (ISCC certified)
- Application support to optimize performance in use
- Excellent ecological profile
- Ideal solution for PUR & EPS construction

# Our contribution to engine efficiency

Emission testing fuels help to reduce air pollution

## Market needs:

- Reduction of CO<sub>2</sub> emissions
- Meet stringent emissions legislation
- Enhanced engine performance

## Our solution:

- Speciality fuels designed for R&D engine testing, application testing, certification projects
- Reduction of CO<sub>2</sub> emission with 2<sup>nd</sup> generation bio-component fuels
- Comprehensive expertise in fuel and engine technology
- Working with all leading car manufacturers to help developing efficient engines



# Our contribution to safeguard harvests

Efficient solvents and formulations to protect crops



## Market needs:

- Reduced CO<sub>2</sub> footprint
- Enhanced crop yield and quality
- Stable advanced multi-A.I. formulations

## Our solution:

- High-quality C10 and C12 supplier for more than 70 years
- Tailor-made Caromax<sup>®</sup> portfolio with narrowed specification help to reduce solvent content
- Low naphthalene aromatics
- Compliance with regulations



# Our contribution to public health

Highly purified solvents for the pharmaceutical industries

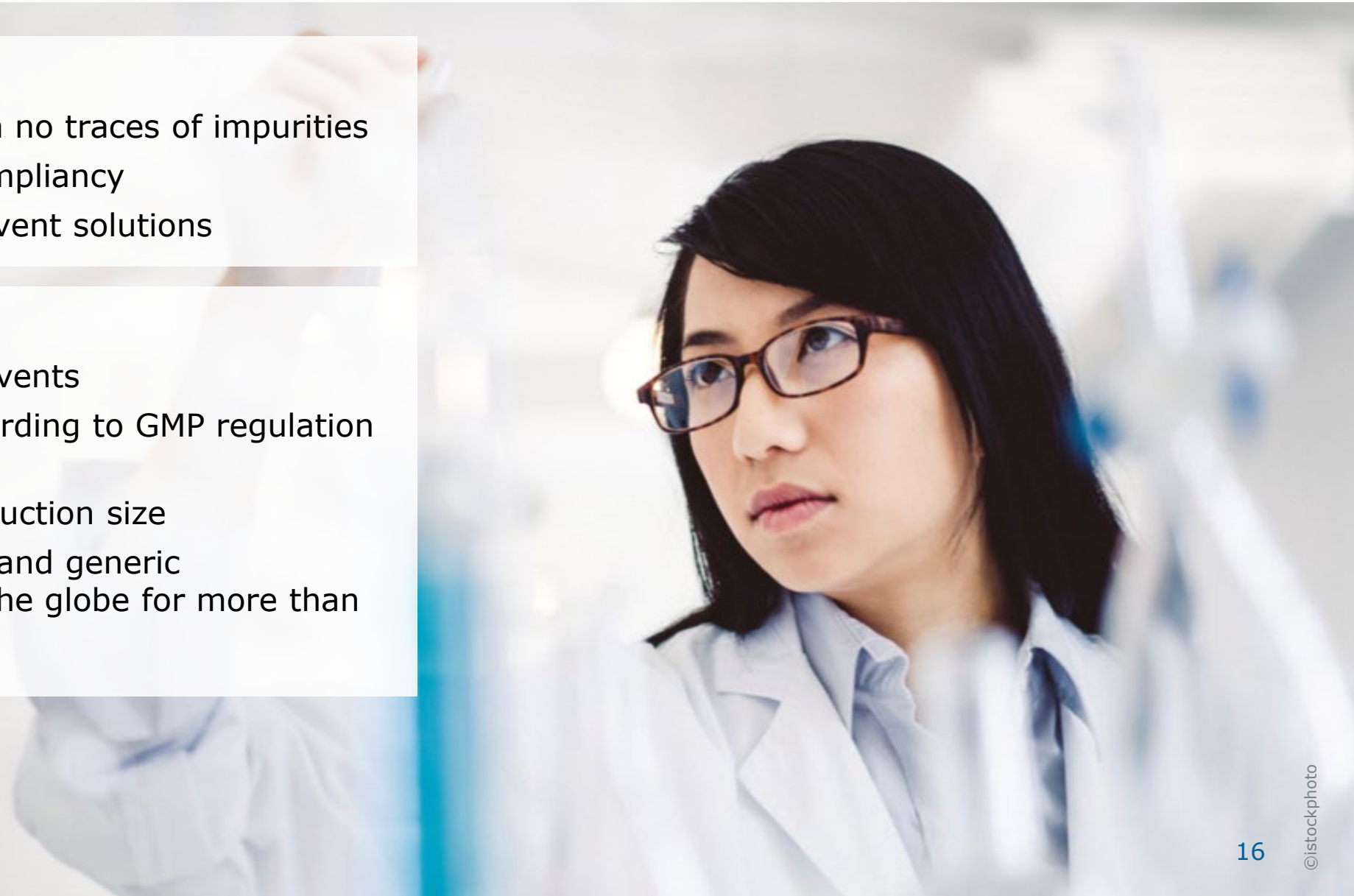


## Market needs:

- Ultra pure products with no traces of impurities
- 100% reliability and compliancy
- Application-oriented solvent solutions

## Our solution:

- 99% purity aliphatic solvents
- Production process according to GMP regulation standards
- From laboratory to production size
- Products valued by API and generic manufacturers around the globe for more than 50 years



# Our contribution to green solutions (I)

Sustainable products made from bio-based feedstock



## Selected examples:

- Small-engine fuels using bio-derived isooctane as octane booster.
- Renewable higher isoparaffins for cosmetic applications.
- HVO based middle distillate products for a variety of applications such as inks, varnishes and paints.



We partner with:



NESTE OIL



# Our contribution to green solutions (II)

Ecobase products made from bio-based feedstock



## Tailor-made products provide excellent performance in various applications vs. industrial fossil-based references:

- Superior cold flow properties for arctic hydraulic fluids.
- Excellent temperature/pressure performances at low viscosities for metal rolling fluids.
- Premium chemical and oxidative stability.
- Sustainable solution for fossil-free transformer oil applications in line with industrial standards as IEC 60296.
- Low aromatic solvent for inks, paints and varnishes.

**-40%**

Green House Gas Emissions

**up to 82%**  
biodegradable



We partner with:



**NESTE OIL**

# Summary

- Haltermann Carless holds market leading position in a variety of industries
- Strong commitment to climate protection & sustainable developments
- 360° Service for customers offering
  - tailor-made products & reliability service
  - comprehensive technical & sustainability support
  - flexible production units & supply chain
- More than 160 years of tradition while continuously focusing on growth
- Partnership as key to joint success



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