TOMORROWING TODAY

| Apu Gosalia
| Vice President Sustainability & Global Competitive Intelligence
| FUCHS PETROLUB SE
| BASF Sustainability Business Community Meeting | 10th May 2017





TOMORROWING TODAY - ... FUTURING FUCHS

-FUCHS PETROLUB SE

•The Lubricants Market

-Sustainability@FUCHS



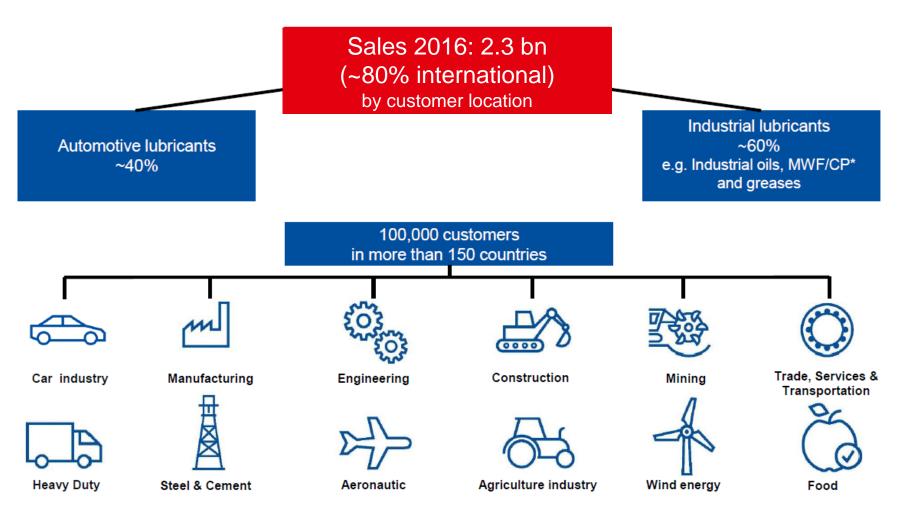
FUCHS PETROLUB SE Key Figures

		No. 1 among the indepen- dent suppliers of lubricants	The Fuchs family holds 54% of ordinary shares	
Established 3 generations ago as a family-owned business		More than 2.3 bn euro sales in 2016		
Almost 5,000 employees	Preference share is listed in the MDAX	57 companies worldwide	A full range of over 10,000 Iubricants and related specialties	



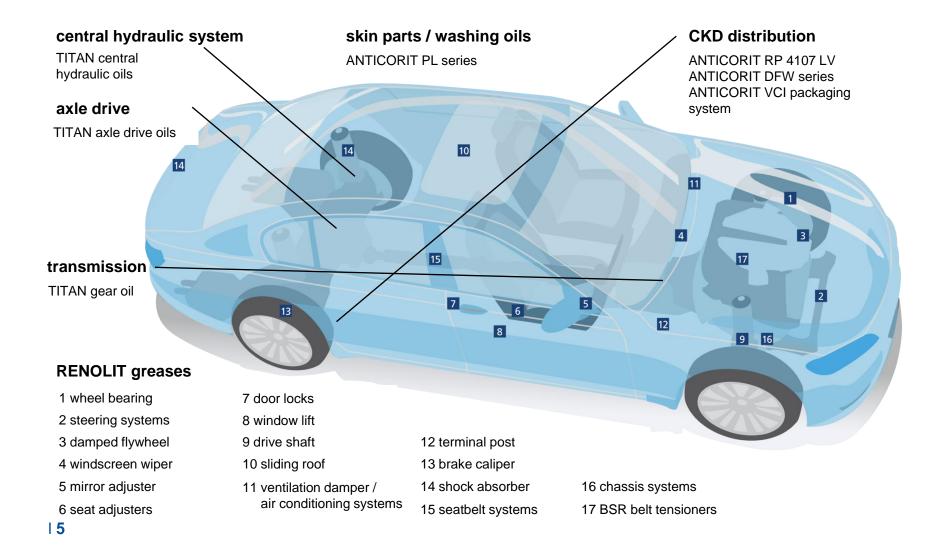
FUCHS PETROLUB SE

Sales Breakdown





FUCHS PETROLUB SE Car Industry





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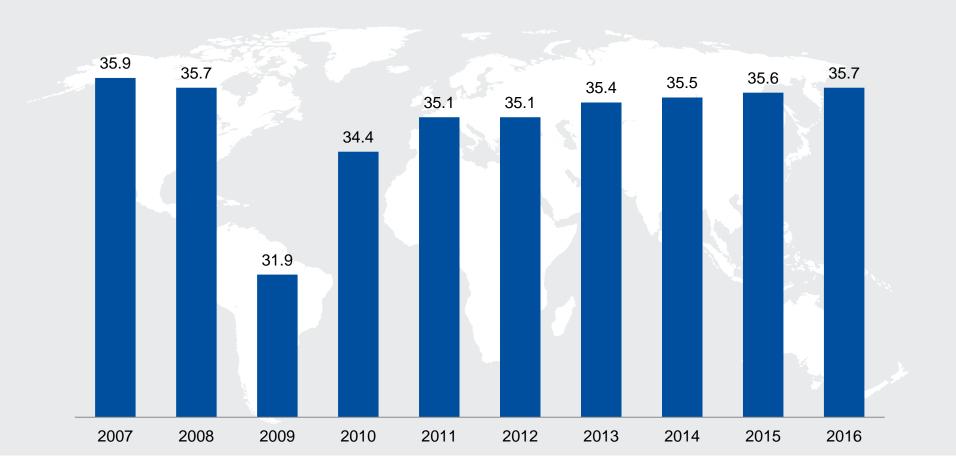
01 -FUCHS PETROLUB SE

02 - The Lubricants Market

03 -Sustainability@FUCHS

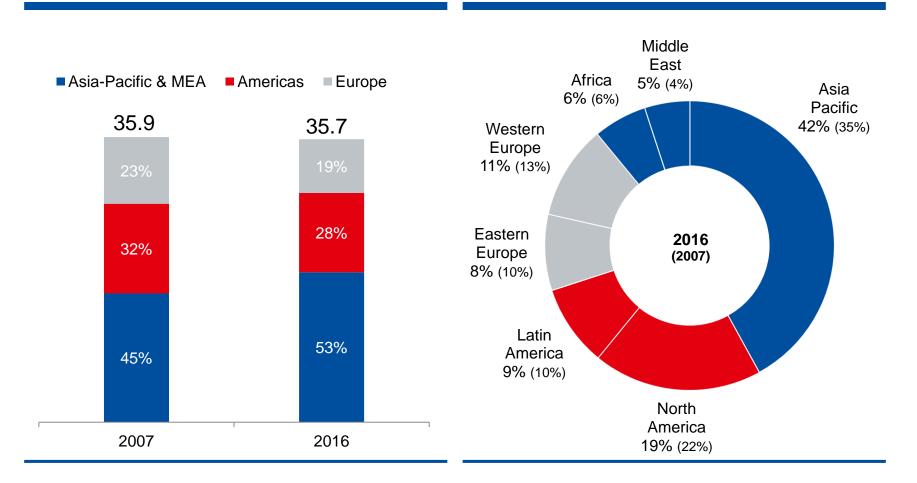


Development Global Lubricants Demand (Million Tons)*



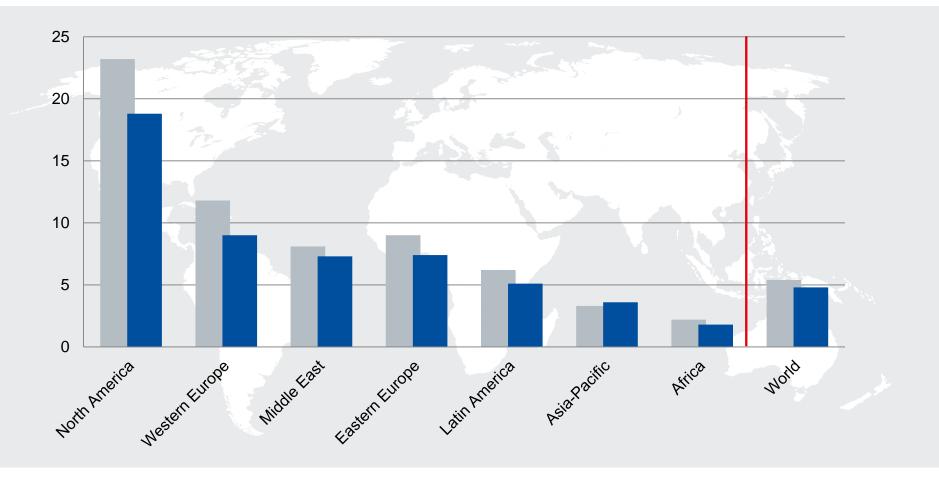


Development Regional Lubricants Breakdown (Million Tons)*



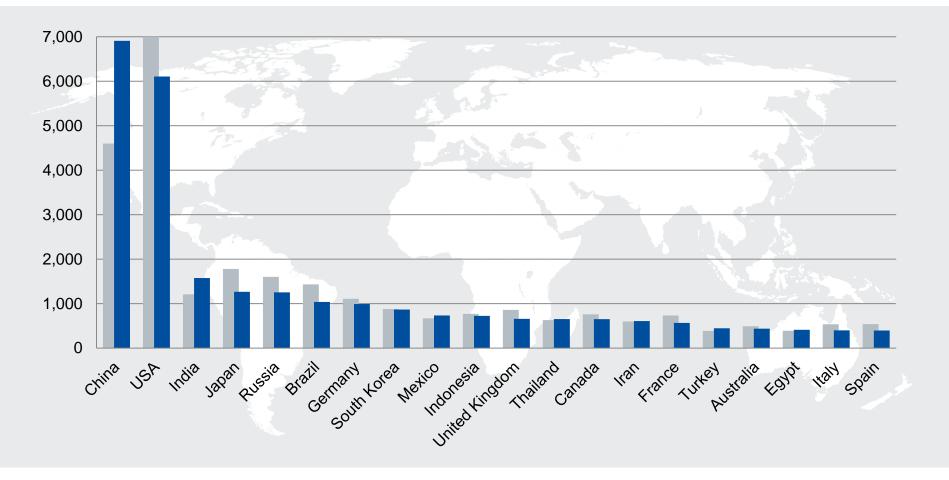


Regional Per-Capita Lubricants Demand (kg)



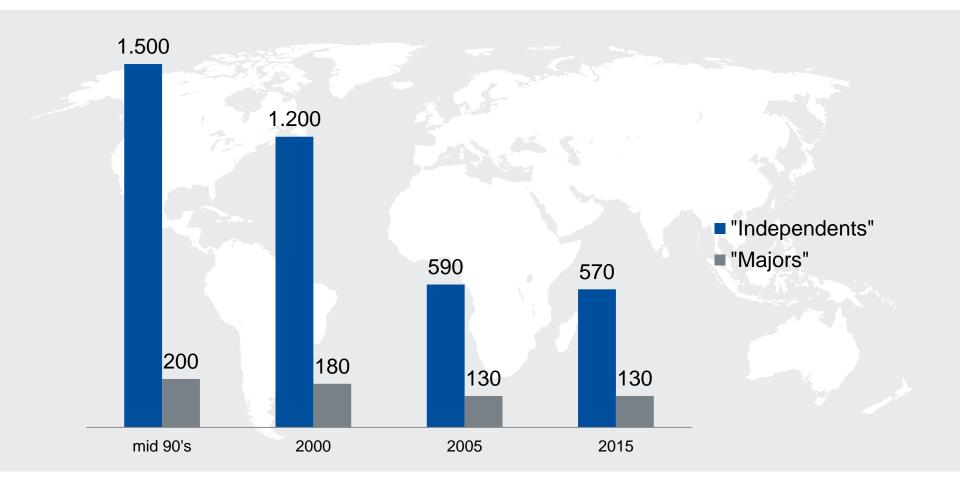


The Lubricants Market Ranking Top 20 Lubricant Countries



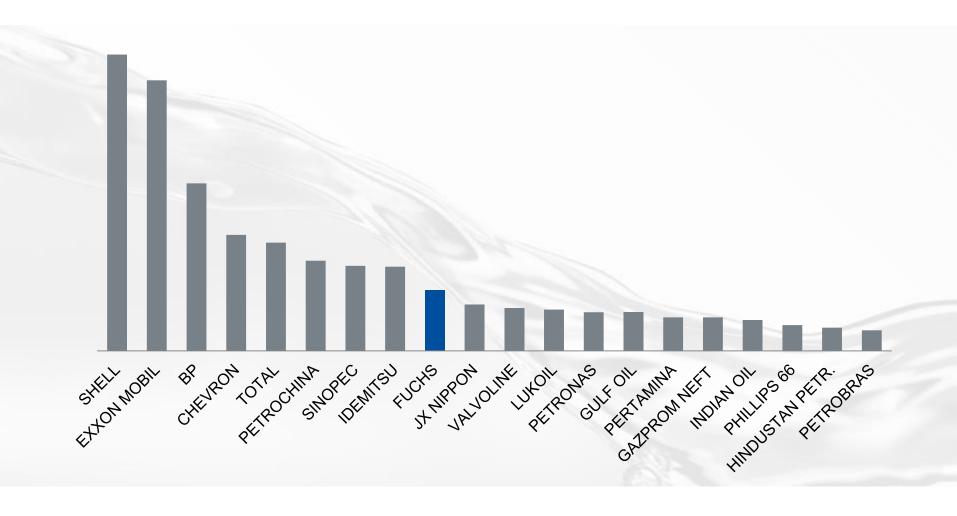






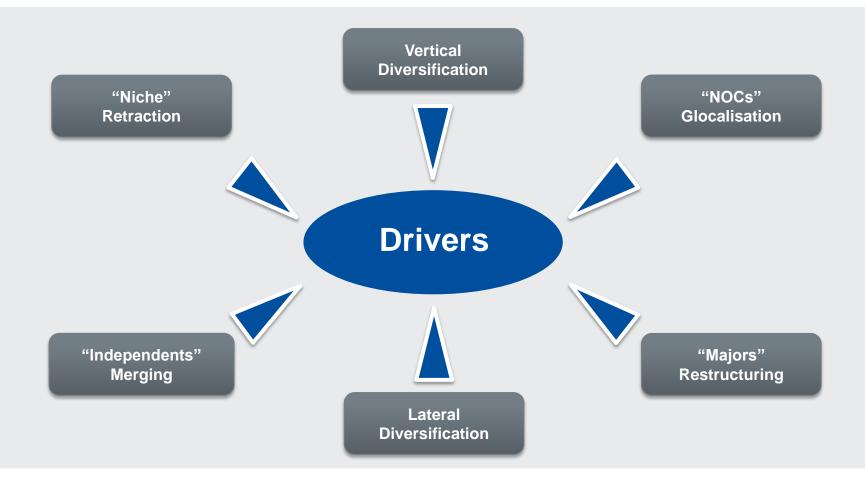


The Lubricants Market Ranking Top 20 Manufacturers*



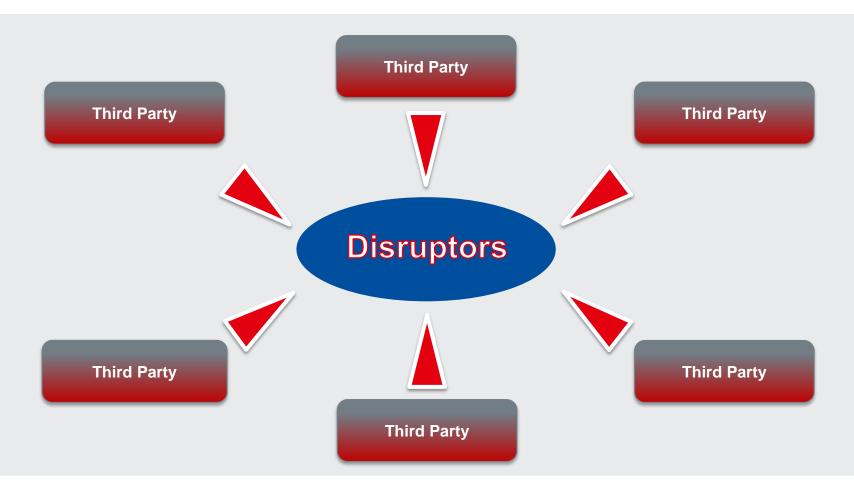


Competitive Landscape





The Lubricants Market Digitalization





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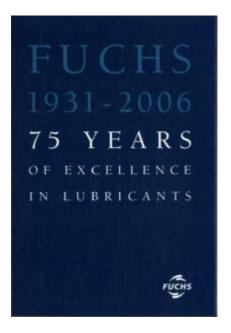
-FUCHS PETROLUB SE

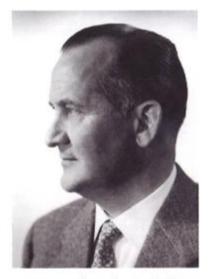
•The Lubricants Market

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Sustainability@FUCHS Legacy





Company founder Rudolf Fuchs

Poor-quality oil does not lubricate properly, no matter how much of it you use ... Skimping on the quality of the oil used can lead to ten times the cost in repairs. Therefore, cheap oil ultimately is the most expensive oil.

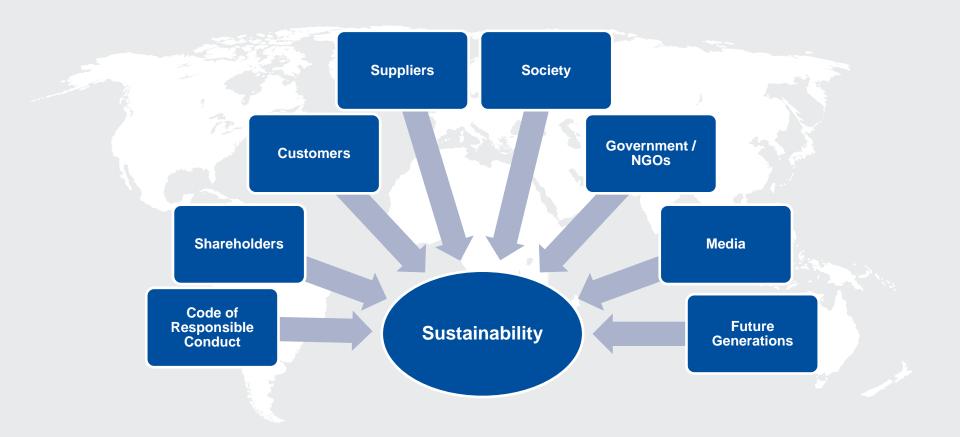


Sustainability@FUCHS Internal Drivers



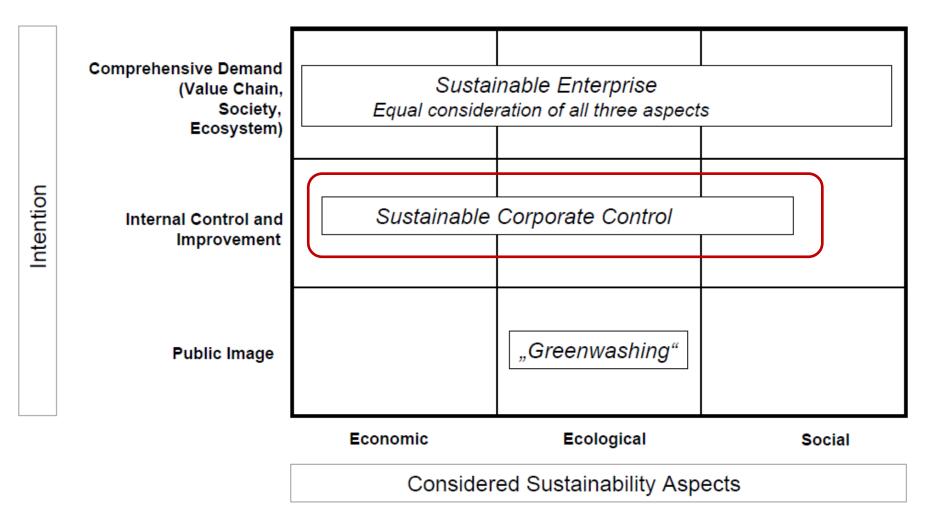


Sustainability@FUCHS External Drivers





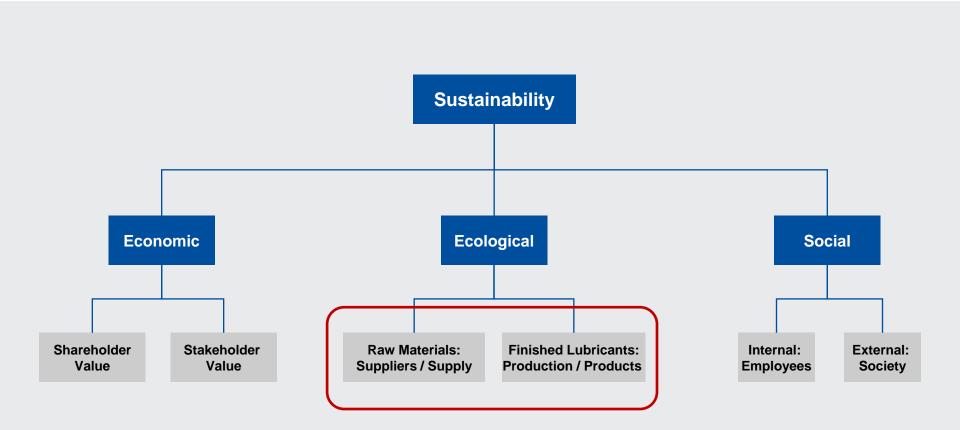
Sustainability@FUCHS Intentions



| **19**

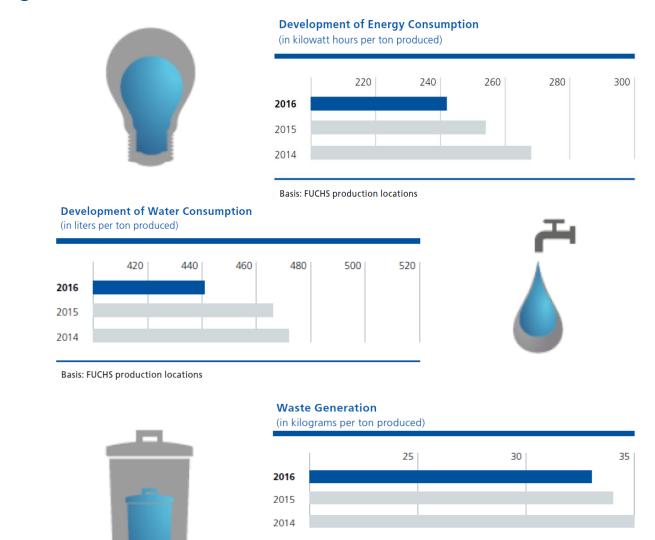


Sustainability@FUCHS Dimensions





Sustainability@FUCHS Ecological KPIs



Basis: FUCHS production locations.

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Sustainability@FUCHS Waste Reduction

Tank cleaning with compressed air

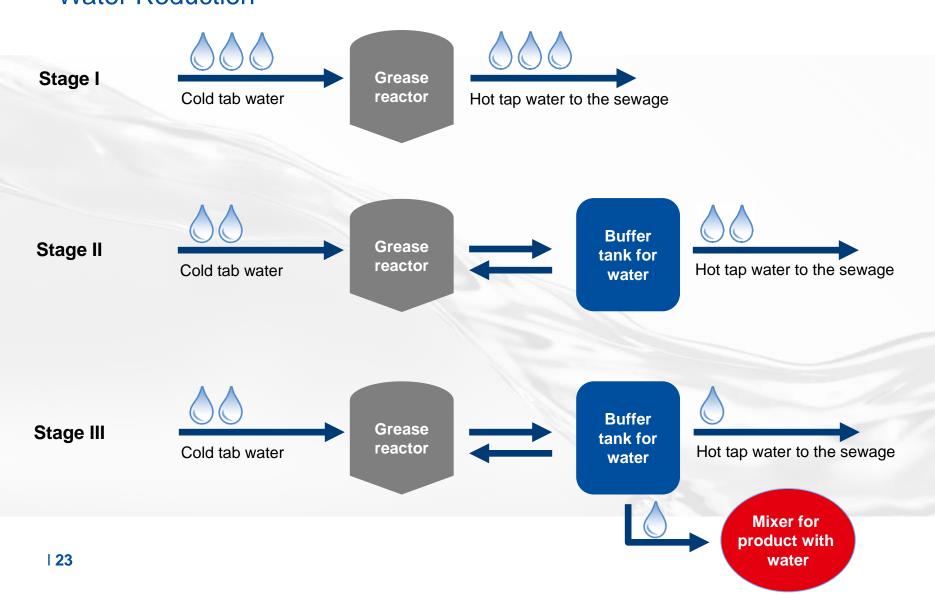


- Manufacturing and storage tanks characterized by: plain interior surface, external heating coils, cone bottom for better flow of oil
- Inlying loop, which descends automatically after drain and cleans the tank wall using compressed air





Sustainability@FUCHS Water Reduction





Sustainability@FUCHS Energy Reduction

Tank/Pipe insulation

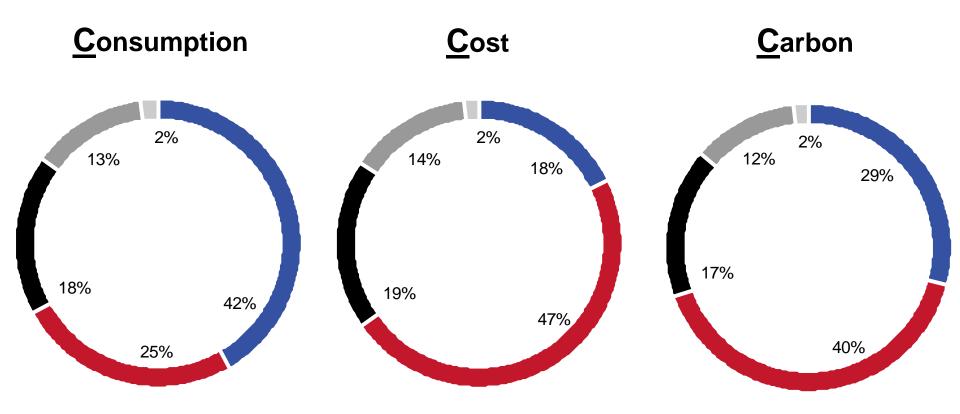


- Objective: Identifying the key areas where insulation would provide the biggest savings
- Project started in January 2014 and completed in May 2014
- Project cost payback: 15 months
- Nicor Gas Energy Efficiency Program initiated with an engineer to do a study of the facility
- Scope: insulation of 13 storage tanks, boiler room, steam & condensate return lines
- Annual energy savings of nearly 6 million kWh





Sustainability@FUCHS Energy Efficiency



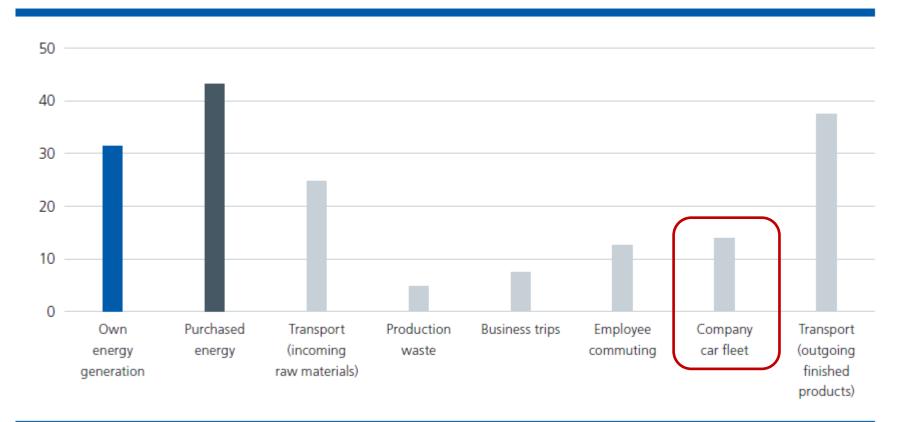
Gas Electricity Steam Heating Oil Other energy source



Sustainability@FUCHS

Corporate Carbon Footprint*

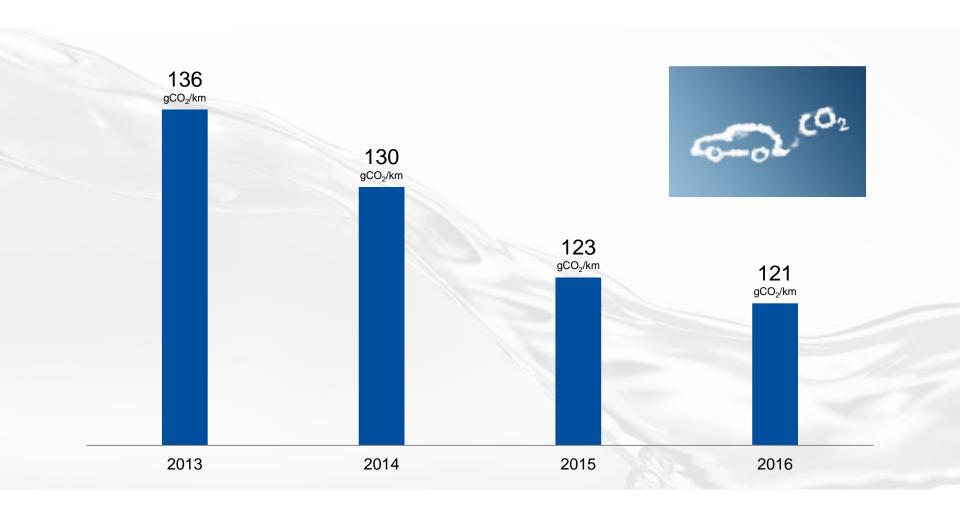
(in kilogram CO₂e per ton produced)



- Scope 1: Direct emissions through own energy generation
- Scope 2: Indirect emissions through purchased energy
- Scope 3: Indirect emissions along the value chain

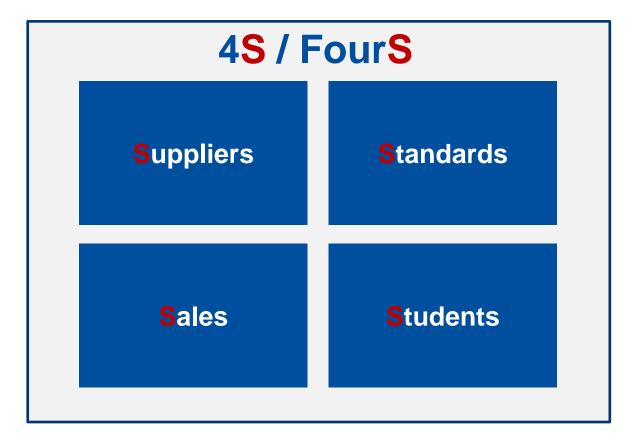


Sustainability@FUCHS Company Car Fleet*





Sustainability@FUCHS Strategy





Sustainability@FUCHS Suppliers

From 2017 on Sustainability will become part of the Supplier Performance Evaluation

Participating FUCHS Companies

Australia, Belgium, China, France, Italy, Germany (FS, FLT, Wisura), Poland, Spain, UK, USA, South Africa

Participating Functions

Lead Buyers, Local Buyers, R&D Specialists, Sustainability Manager

Rating Criteria	Subcriteria
Business Relationship:	5
Price Competitiveness :	4
Development Ability:	4
Quality:	3
Delivery:	4
	total: 20
Sustainability:	+5

Not everybody can rate every criterion

Business Relationship:AllPrice Competitiveness:LeaDevelopment Ability:R&Quality:LoaDelivery:LoaSustainability:Su

Lead Buyer only R&D only Local Buyer and R&D Local Buyer only Sustainability Manager

S

Rating:	
Very Good:	5 Points
Good:	4 Points
Average:	3 Points
Poor:	2 Points
Very Bad:	1 Point
Unknown:	Do not rate
Sustainability:	2 / 1 / 0 Points



Sustainability@FUCHS Supplier Performance Evaluation (SPE)

Sustainability Rating / Subcriteria Scoring Points	Yes	On the way	Νο
ESG (Environmental Social Governance) Guidelines	2	1	0
Corporate Carbon Footprint (CCF)	2	1	0
Product Carbon Footprint (PCF) - Overall / General	2	1	0
Product Carbon Footprint (PCF) - Supplies to FUCHS	2	1	0
Product Carbon Footprint (PCF) - Reduction Targets	2	1	0



Sustainability@FUCHS Standards



The topic of sustainability is becoming increasingly important. In cooperation with suppliers and customers, FUCHS is working to quantify the term sustainability. The objective is to develop a benchmark that allows our products to be assigned to categories. From this we derive tasks for research and development. We expect the change from qualitative to quantitative assessment of sustainability to bring significant progress. Sustainability will be included in the specifications for lubricants in the future.



Sustainability@FUCHS

Lubricants Industry Initiative

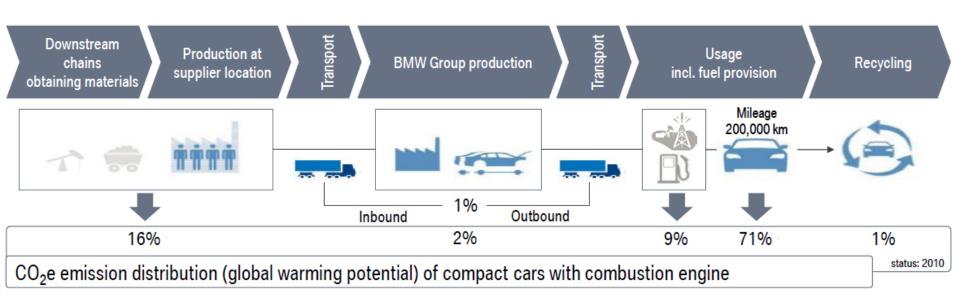
- Proposed/Named by FUCHS, the sustainability working group "NaSch"* was established under the roof of the VSI (German Lubricants Manufacturers Association)
- Members: AVIA BANTLEON, FUCHS, ROWE KLÜBER LUBRICATION, ZELLER+GMELIN
- Objective: Establish sustainability standards, KPIs, benchmarks for the lubricants industry and emphasize its value for society (image campaign)
- UEIL cooperation with NASCH carrying sustainability forward to the level of the European lubricants industry





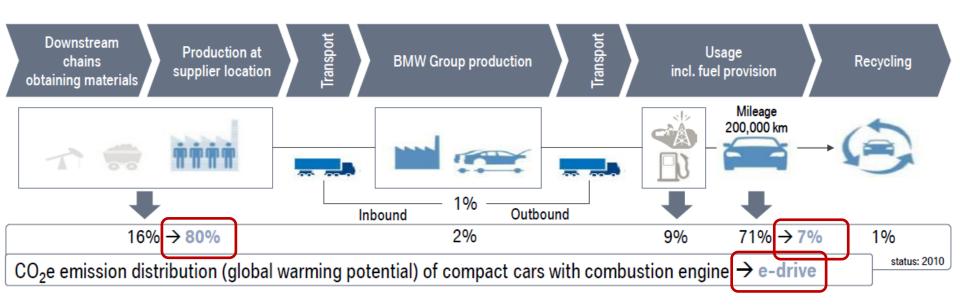


Sustainability@FUCHS Sales





Sustainability@FUCHS E-Mobility





Sustainability@FUCHS Students

Chair of Corporate Social Responsibility

CHAIR OF CORPORATE SOCIAL RESPONSIBILITY Prof. Dr. Laura Marie Schons

CSR-Weekend at the University of Mannheim

Cooperation with Student Initiatives











Sustainability@FUCHS Engagements

Responsible Care

FUCHS is a signatory to the Responsible Care Global Charter of the International Council of Chemical Associations (ICCA). FUCHS is committed to this initiative.

Chemie³

FUCHS is engaged in the Chemie³ sustainability initiative of the German Chemical Industry Association (VCI), the German Mining, Chemical and Energy Industrial Union (IG BCE) and the German Chemical Industry Employers' Federation (BACV).

Wittenberg-Zentrum für Globale Ethik/econsense

FUCHS is engaged in a crossindustrial initiative of German companies with the objective of creating sustainability networks in emerging and developing nations. This initiative has been set up by the sustainability network econsense and the WZGE.

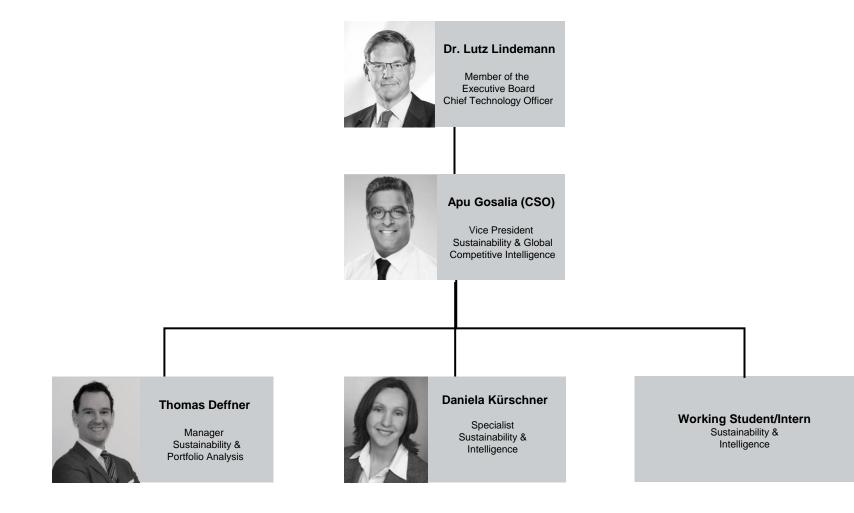






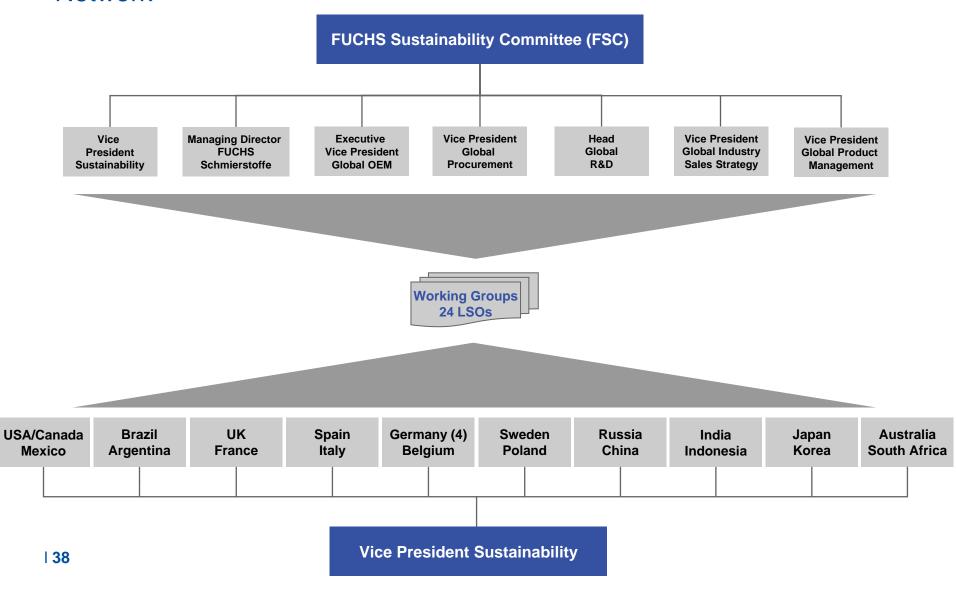


Sustainability@FUCHS Department



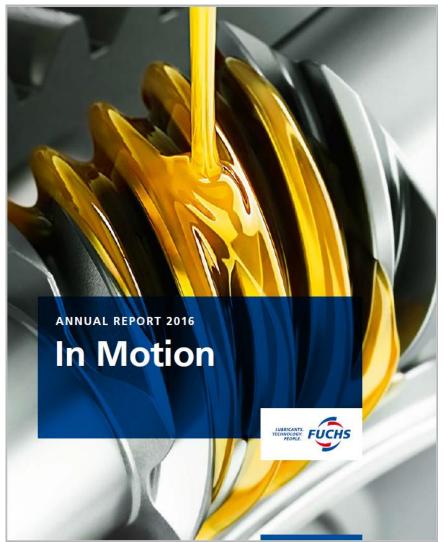


Sustainability@FUCHS Network





Sustainability@FUCHS FUCHS In Motion



Digitalization

E-Mobility



GERMAN SUSTAINABILITY AWARD

Germany's Most Sustainable Medium-sized Company 2016

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