



Flexible solutions
for your business

2021



Grupa Azoty at a glance

Grupa Azoty, Poland's largest chemical group and a significant chemical industry player in the EU offering a diversified product portfolio – from mineral fertilizers and engineering plastics through OXO products to melamine.

4

main production sites

60 

companies in the
capital group

approximately

~15 000 

employees

no. 2 

EU mineral fertilizers producer

no. 3 

EU PA6 producer

no. 4 

EU plasticizers producer

no. 5 

EU OXO alcohols producer

2 309 mln €
revenue

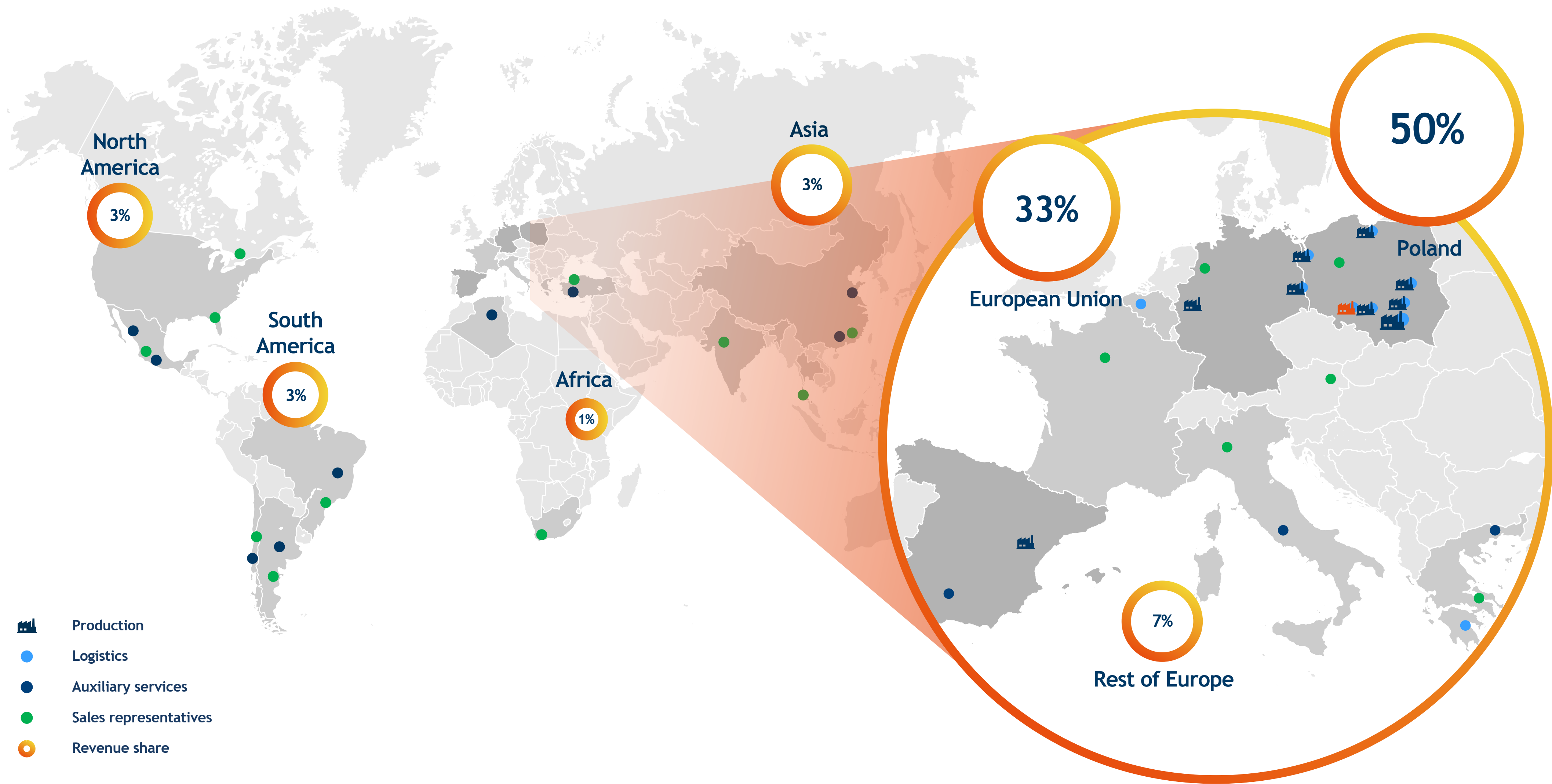
290 mln €
EBITDA

78 mln €
Net. Profit

*2020 financial results, 1€ = 4,5577 PLN

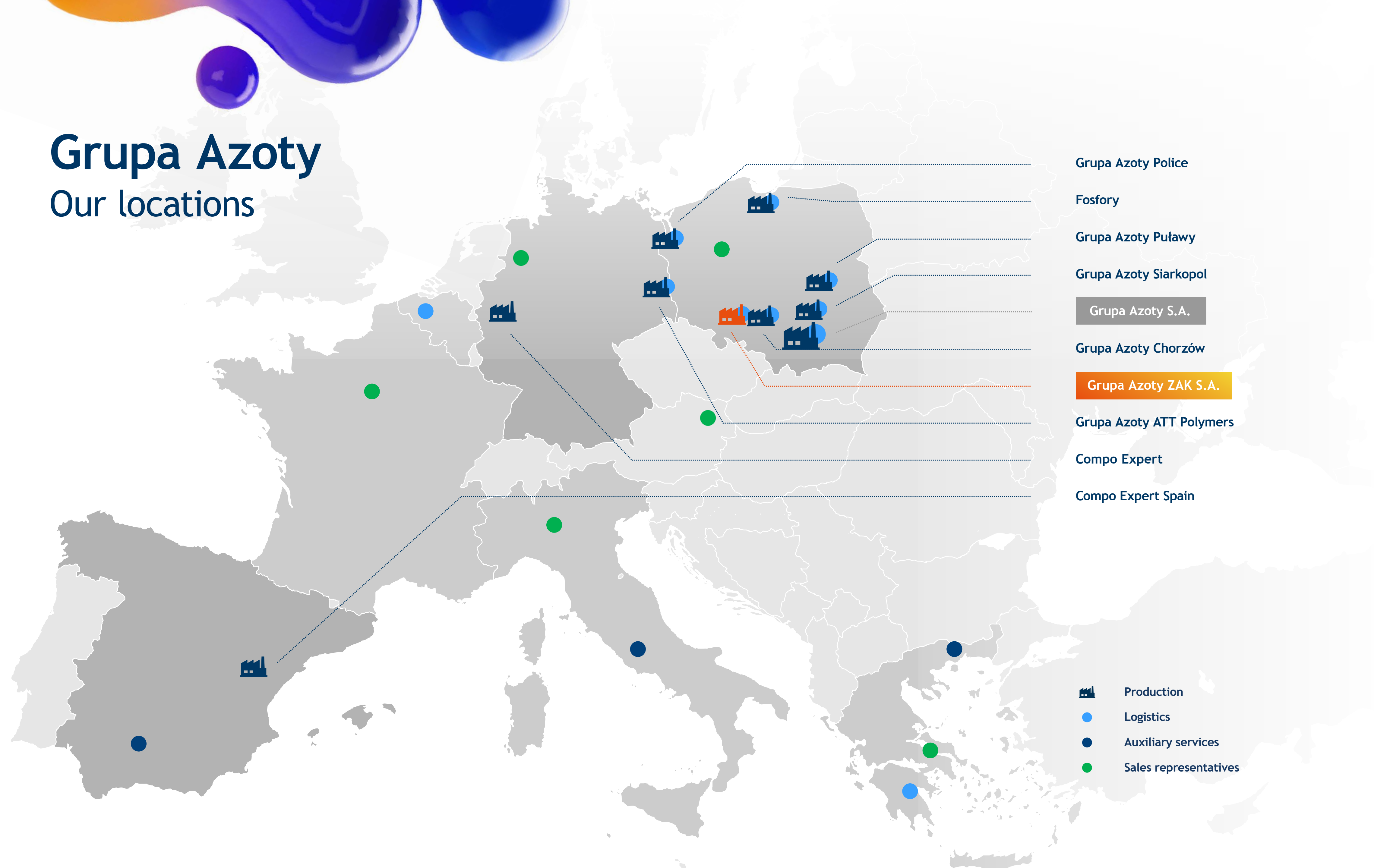
Grupa Azoty

Core Business



Grupa Azoty

Our locations

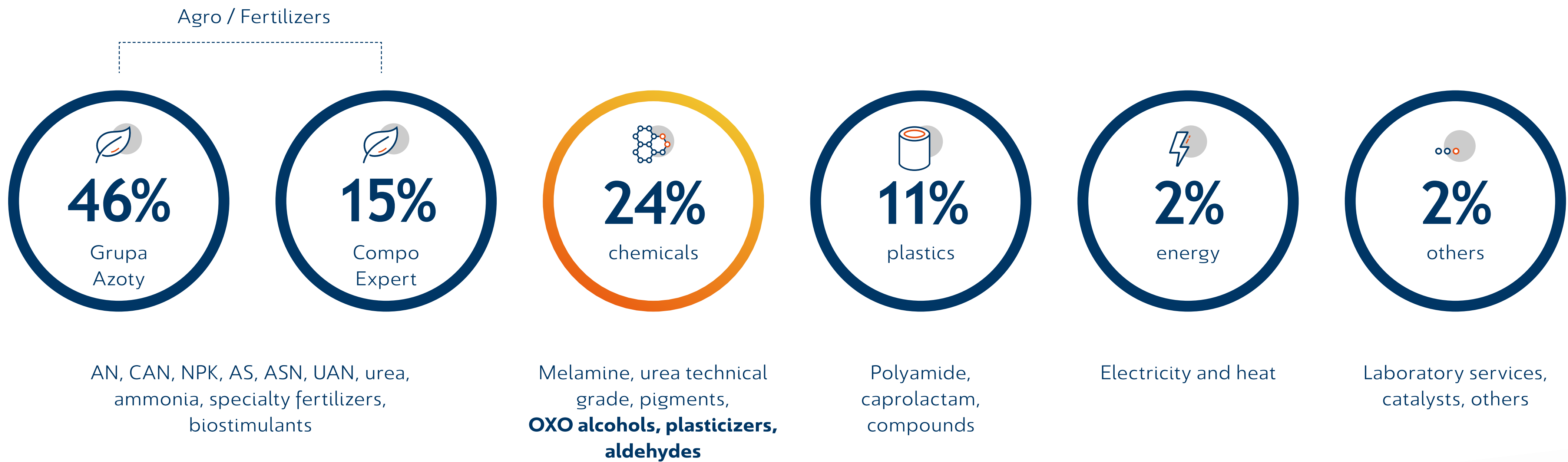


Grupa Azoty

Business Segments Details

Business Segments				
	Fertilizers	Chemicals	Plastics	Other
Grupa Azoty S.A. (parent company, capital group)	AN, CAN, ASN, AS		PA6, POM, Compounds, Caprolactam	logistics, R&D, electricity and heat, laboratory services, designing and engineering services, mining, harbors
Grupa Azoty ZAK S.A. (capital group)	AN, CAN, UAN, CAN+S, urea	OXO alcohols, Plasticizers, Aldehydes		logistics, R&D, electricity and heat, laboratory services, designing and engineering services, harbors
Grupa Azoty Puławy (capital group)	AN, UAN, urea, NPK, AS	Melamine	Caprolactam	logistics, R&D, electricity and heat, laboratory services, designing and engineering services, harbors
Grupa Azoty Police (capital group)	NPK, NP, NS, urea	Titanium Dioxide		logistics, R&D, electricity and heat, laboratory services, designing and engineering services, mining, harbors
Grupa Azoty ATT Polymers			PA6, Compounds	
Compo Expert	Specialty fertilizers, biostimulants			R&D
Grupa Azoty Koltar				logistics
Grupa Azoty Siarkopol		Sulphur based producsts		mining
Grupa Azoty Polskie Konsorcjum Chemiczne				designing and engineering services, repairs, maintenance, chemical rescue

Core business by revenue



GRUPA
AZOTY



Segment
Oxoplast®
flexible opportunities

Flexible solutions
for your business

Segment Oxoplast®

flexible opportunities

Grupy Azoty ZAK S.A. is a part of Grupa Azoty.
Oxoplast® is a Business Unit of Grupa Azoty ZAK S.A.
focused on OXO alcohols, plasticizers and aldehydes.

OXO plant by night

Photo, Grupa Azoty ZAK S.A.



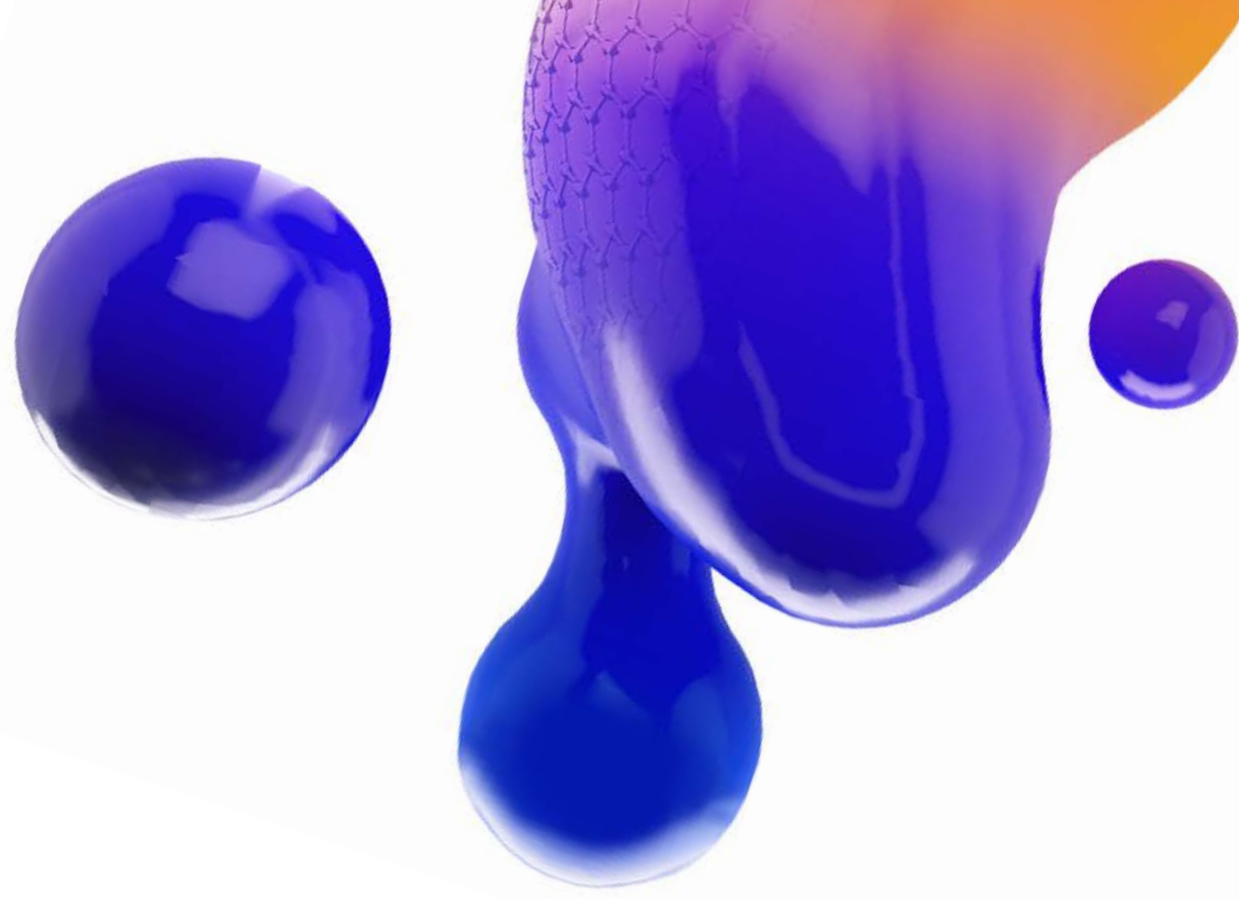


We respond to customers' needs
and challenges of a changing world
with our **specialty products.**

Production Engineer
at work Esters plant

Photo, Grupa Azoty ZAK S.A.





Innovation has permanently entered our DNA. We believe that the future lies in better understanding of our partners' needs and working together to create the best solutions.





We develop our products according to sustainable development principles and **environmental care**. This is our goal.





We are proud of Oxoplast®
heritage. We have been producing
plasticizers continuously since 1954,
and OXO alcohols since 1986. ZAK
Quality is our trademark - quality
recognized all over the world!

Revamp of the OXO
plant in 1990s

Photo, Grupa Azoty ZAK S.A.



Mission / Vision



Mission

To deliver chemical products meeting customers needs.



Vision

We will become leading player in our industry. Our company will be a first choice supplier for the customer. We will achieve a highest value added factor in our industry regardless of economic situation.



Strategic aim

Growth of sales and margins through market development, expanding portfolio and product placement.



Activities

To introduce new generation plasticizers. To lengthen value chains. To perfect customer services employing innovative logistics solutions. To utilize new perspective market segments and markets. To optimize production and storage costs.



Oxoplast® Aldehydes



n-Butyralde-
hyde



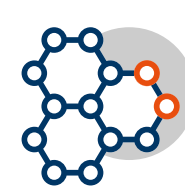
Isobutyral-
dehyde



solvents



plasticizers



alcohols



pharmaceuticals



crop protection
products



fragrances



synthetic resins



Oxoplast®

OXO Alcohols



2-Ethylhe-
xanol



n-Butanol



Isobutanol



Octyl
alcohol F



solvents



paint additives



fuel additives



plasticizers



acrylates



acetates



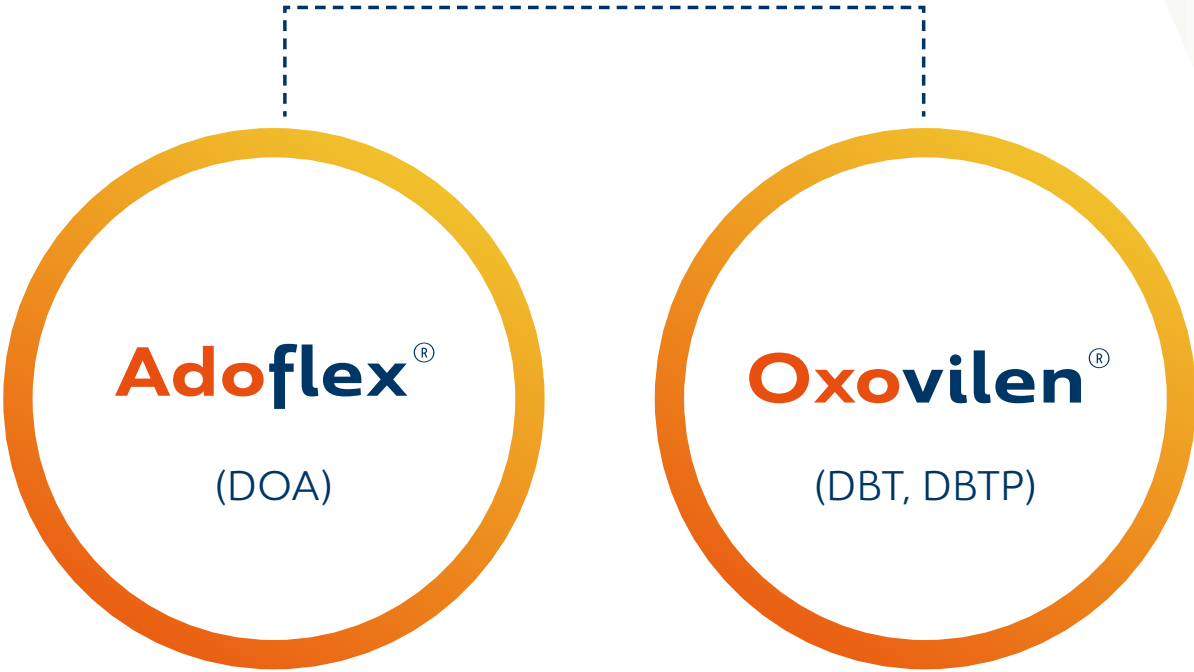
Oxoplast® Plasticizers

General Purpose
Plasticizers



- >99,5% DOTP Superior Purity
- Phthalate Free
- Food Contact Certified
- Pharmacopoeia Approved

Specialty Plasticizers



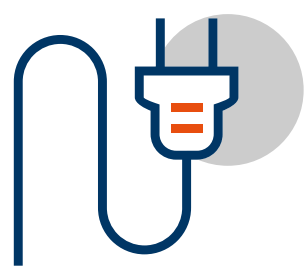
- >99,5% DOA Superior Purity
- Phthalate Free
- Food Contact Certified



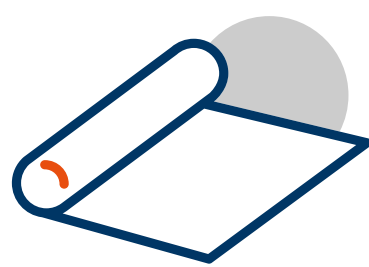
Main Applications Oxoplast®



medical
devices



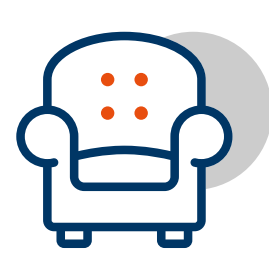
wires &
cables



wallpapers



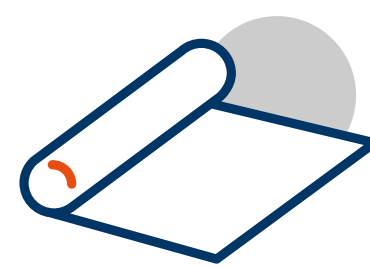
garden
hoses



fabrics



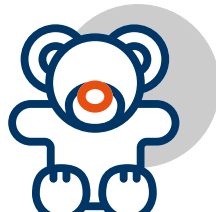
cosmetics



pvc flooring



paints and
varnishes



toys



footwear



automotive



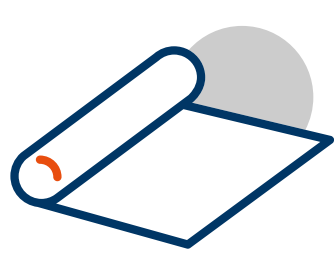
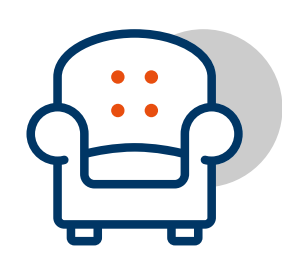
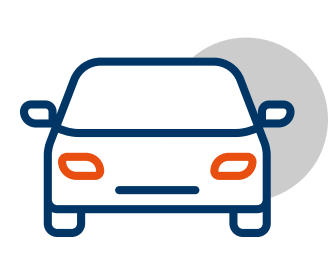
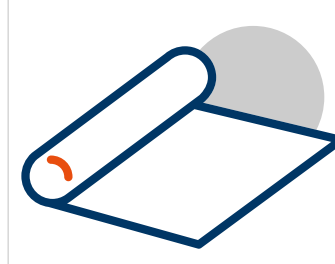
fuel
additives



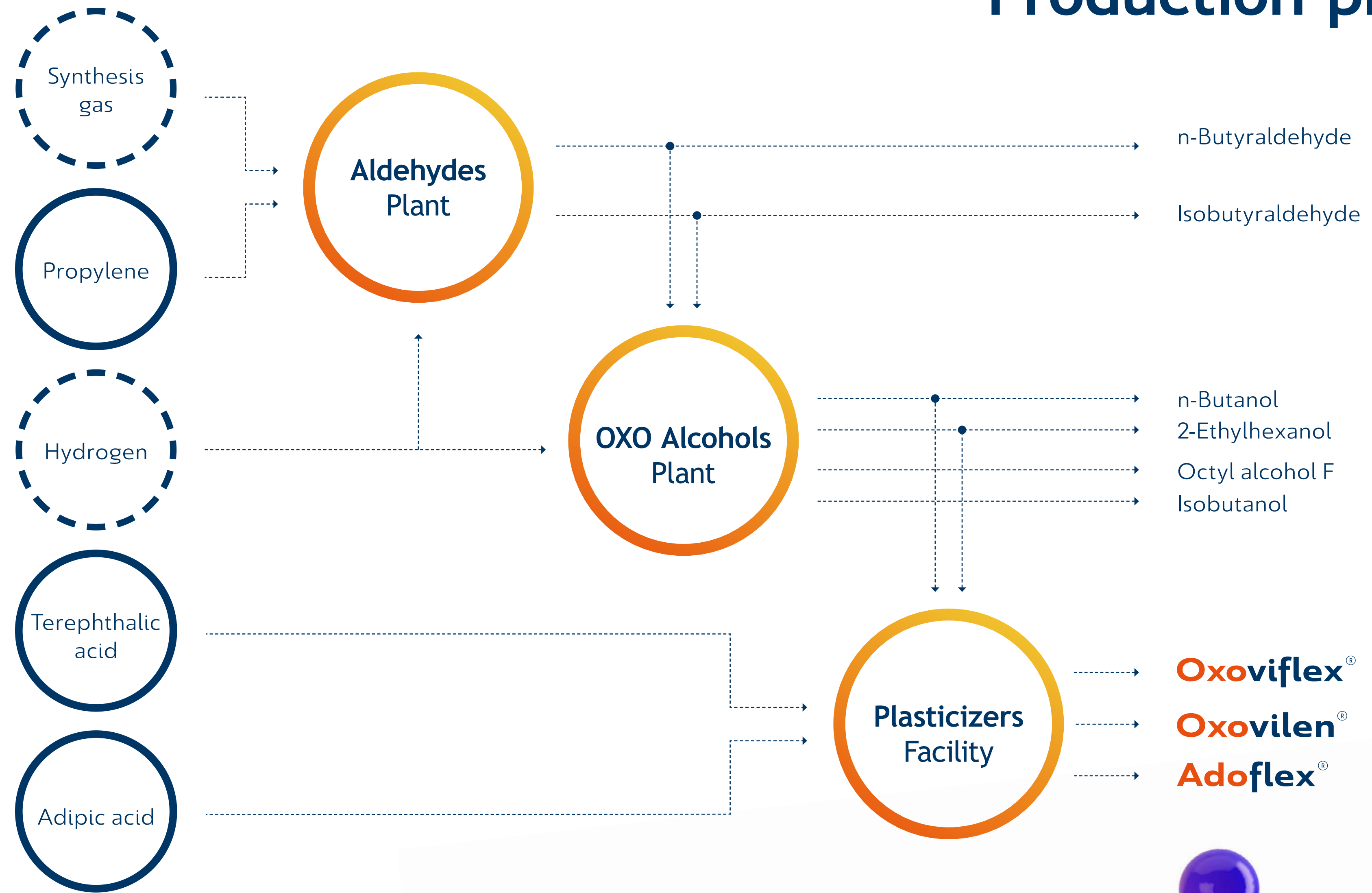
food contact
materials



Plasticizers applications

											
medical devices	wires & cables	wallpapers	garden hoses	fabrics	paints and varnishes	toys	footwear	automotive	cosmetics	pvc flooring	food contact materials
Oxoviflex®	Oxoviflex®	Oxoviflex®	Oxoviflex®	Oxoviflex®	Oxoviflex®	Oxoviflex®	Oxoviflex®	Oxoviflex®		Oxoviflex®	Oxoviflex®
Adoflex®	Adoflex®	Adoflex®	Adoflex®	Adoflex®	Adoflex®		Adoflex®		Adoflex®		Adoflex®
			Oxovilen®		Oxovilen®	Oxovilen®				Oxovilen®	

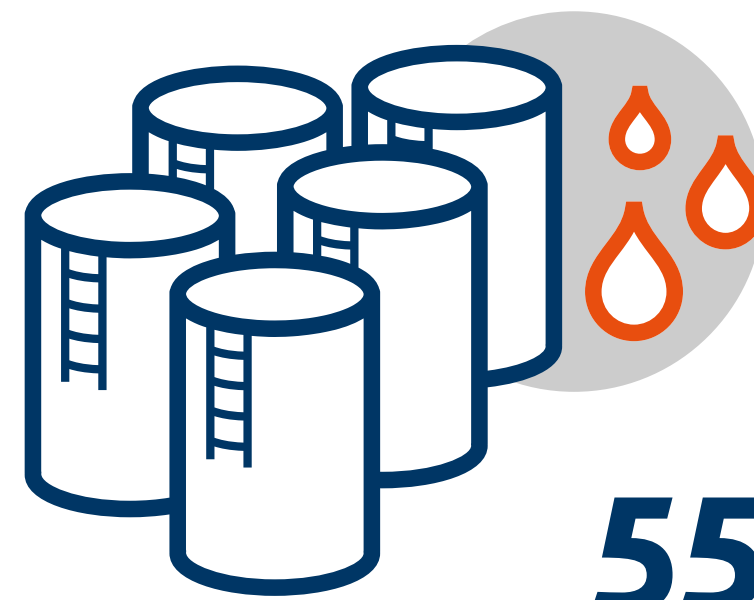
Production process



Capacities

OXO Alcohols

n-Butanol
Isobutanol
Octyl alcohol F

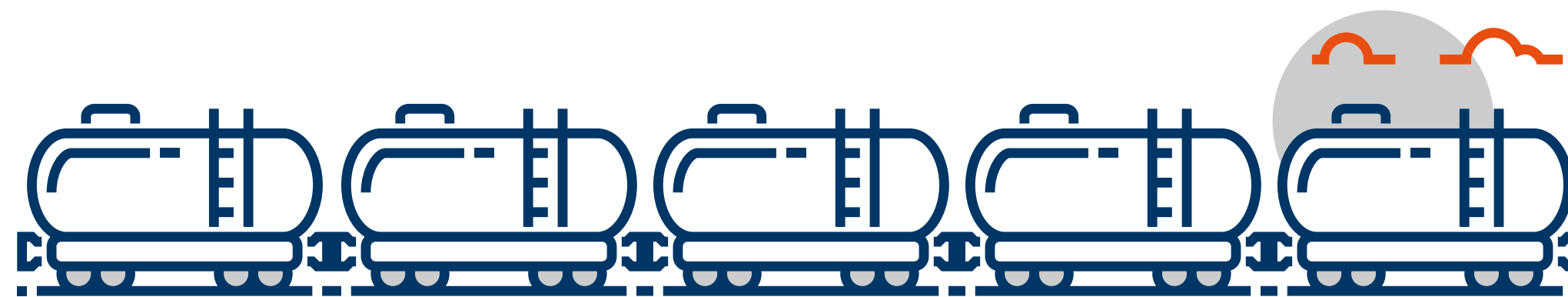


55 kT/year

2-Ethylhexanol



170 kT/year



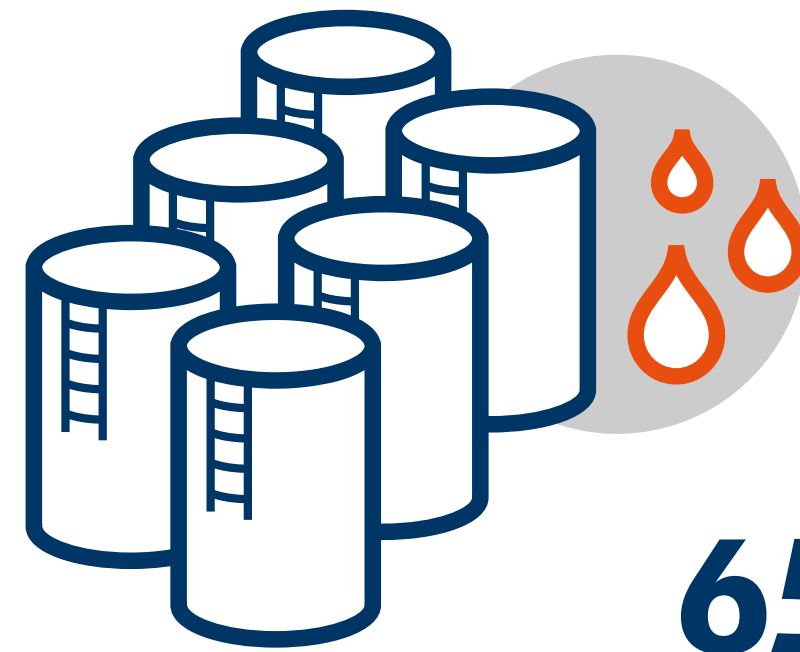
5 million tons
of OXO alcohols
produced
since 1986



Capacities Plasticizers

General Purpose
Plasticizers

Oxoviflex®

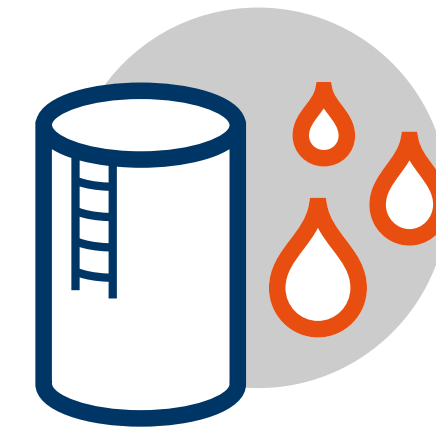


65 kT/year

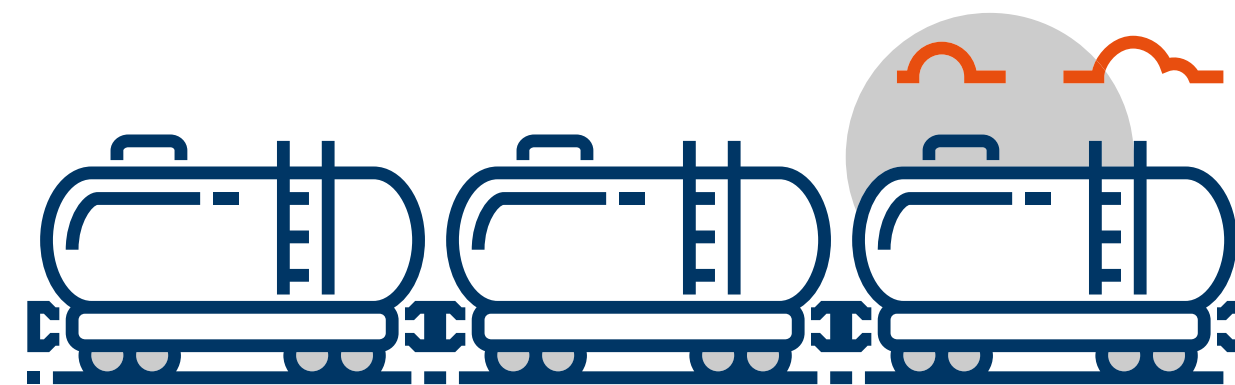
Specialty
Plasticizers

Adoflex®

Oxovilen®



10 kT/year

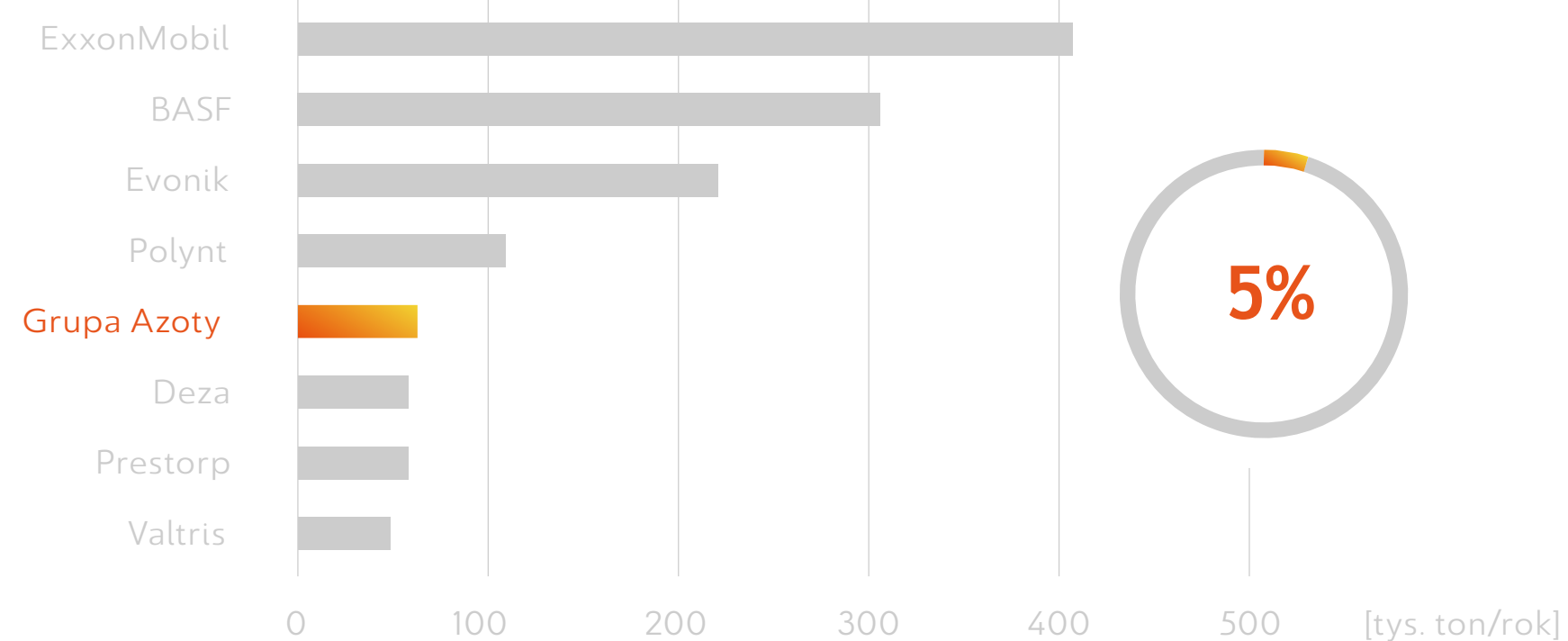


2,4 million
tons of plasticizers
produced since 1954



Plasticizers

- 1954** rozpoczęcie produkcji pierwszych plastyfikatorów PCW
- 1963** Oxoplast® O (DEHP)
- 1999** Oxoplast® IB (DIBP)
- 2010** Oxoplast® PH (DPHP)
- 2014** Oxoplast Medica®
- 2015** Oxoviflex® (DEHT) - uruchomienie instalacji 50 tys. ton/rok
- 2018** zakończenie produkcji plastyfikatorów ftalanowych oraz zwiększenie mocy produkcyjnych Oxoviflex® o dodatkowe 15 tys. ton/rok
- 2019** uruchomienie instalacji plastyfikatorów specjalistycznych, 10 tys. ton/rok



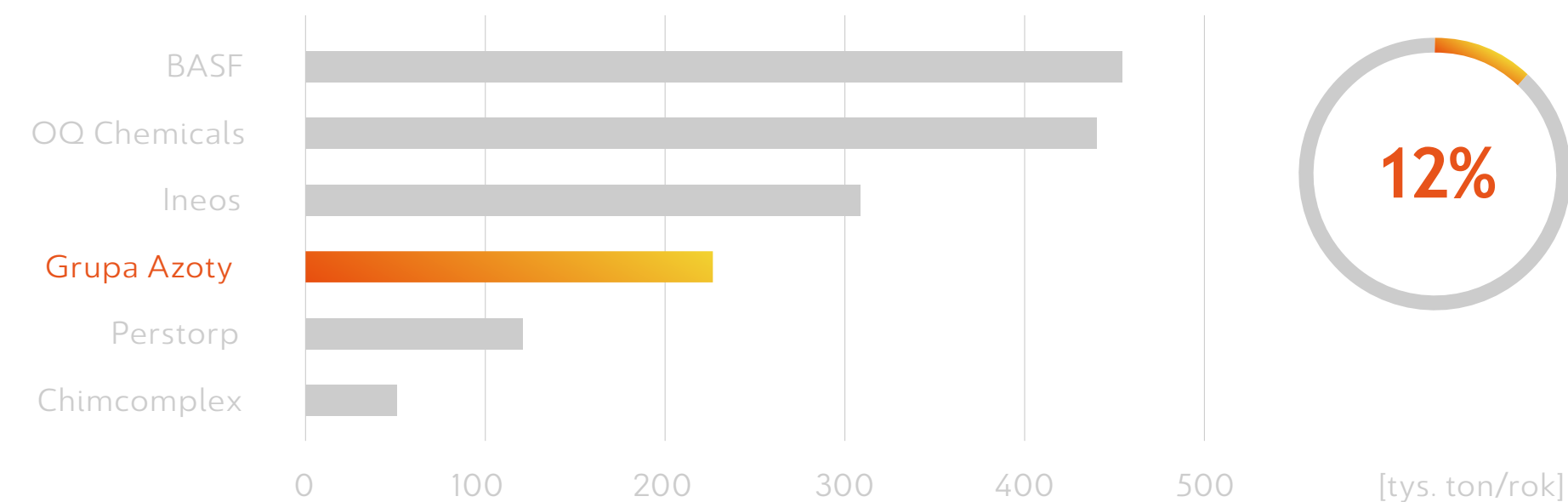
w przeliczeniu na: DEHT, DINCH, DINP, DPHP

no. 1 in EU's DOTP capacity

Market share in European Union

Alkohole OXO

- 1986** uruchomienie instalacji OXO, produkcja pierwszych alkoholi (2-Etyloheksanol, n-Butanol, Izobutanol)
- 1998** modernizacja instalacji OXO, zwiększenie mocy produkcyjnych do 225 tys. ton/rok



w przeliczeniu na: 2-EH i butanole

no. 2 in EU's 2-EH capacity

Logistics options



Geographical barriers do not exist for us, we operate globally. We provide our clients with comprehensive service and in-time deliveries. We adapt to the most demanding needs and use innovative logistics solutions.

Application and Development Laboratory

The Application and Development Laboratory has significantly strengthened our research and development potential. The laboratory provides the opportunity to simulate industrial processes in a laboratory scale, develop samples conduct advanced tests. With such advanced facilities, we are able to provide our customers with support and products tailored to their needs.



Membership



Grupa Azoty ZAK S.A. is a member of **European Plasticisers**, a **Cefic** (European Chemical Industry Council) sector group, the, European Plasticisers is a trade association representing chemical companies producing about 85% of the plasticisers manufactured in Europe.

Our common goal is to provide evidence-based information on plasticisers and promote their use and benefits in everyday life.

Through European Plasticisers, we are involved in **VinylPlus**, the vinyl industry's major initiative promoting the sustainability of PVC throughout the value chain.



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click to highlight the map



Thank you

for attention

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