

Discover OXO Segment



Oxoplast.com

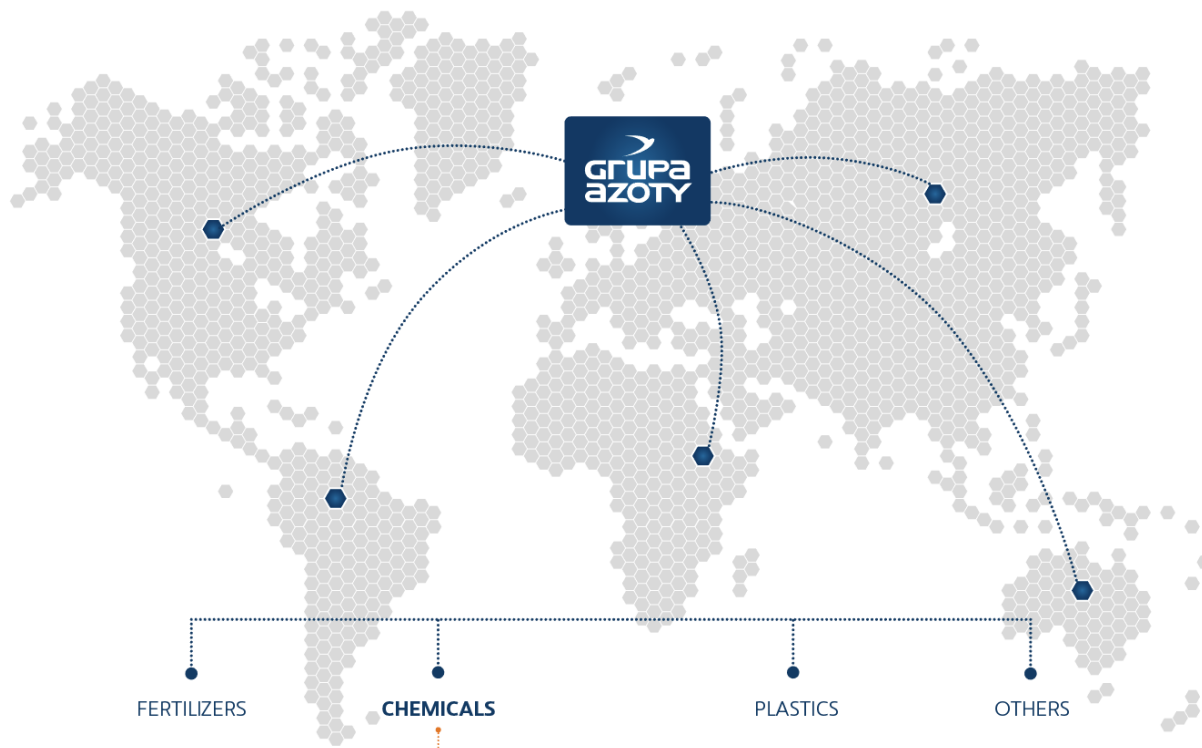
Kędzierzyn-Koźle, Poland, June 2017


Grupa Azoty ZAK S.A.



Grupa Azoty

We are a part of Grupa Azoty



- • • MELAMINE • **PLASTICIZERS** • ALDEHYDES • OXO ALCOHOLS • TITANIUM WHITE • • •

ZAK
QUALITY

PLASTICIZERS
SINCE 1954

OXO ALCOHOLS
SINCE 1986



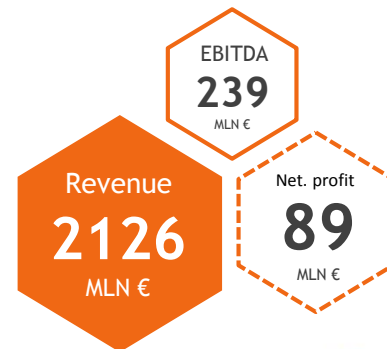
Grupa Azoty ZAK S.A.



Grupa Azoty at a glance



- One of major European chemical producer
- No 1 in fertilizers, polyamide, OXO products, melamine, titanium white in Poland
- No 2 in mineral fertilizers in the EU
- No 3 in compound fertilizers in the EU
- Growth in scale through M&A activity
- Balanced geographical presence
- Stable financial position
- Experienced management team
- Listed on Warsaw Stock Exchange since 2008
- Continued presence in the Respect Index
- Presence in the MSCI Indices



Grupa Azoty core business (revenue)



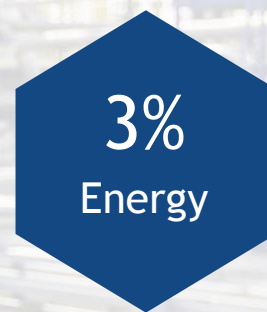
AN, CAN, NPK, AS,
ASN, RSM, urea,
amonia



Polyamid
Caprolactam



OXO alcohols, plasticizers,
aldehydes, melamine, urea
technical grade, pigments



Electricity
and heat



Laboratory services,
catalysts, others



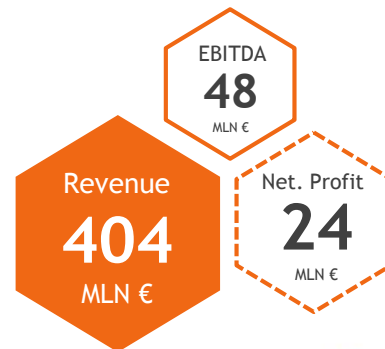
Grupa Azoty
ZAK S.A
at a glance


**GRUPA
AZOTY**

Grupa Azoty ZAK S.A.



Grupa Azoty ZAK S.A. - 69 years of tradition, experience and an established position on the market. The Company's products are geared towards the following sectors of the economy: agriculture, the construction industry, chemical processing, and the plastics industry



Grupa Azoty ZAK S.A. core business (revenue)



AN, CAN, UAN,
urea, other

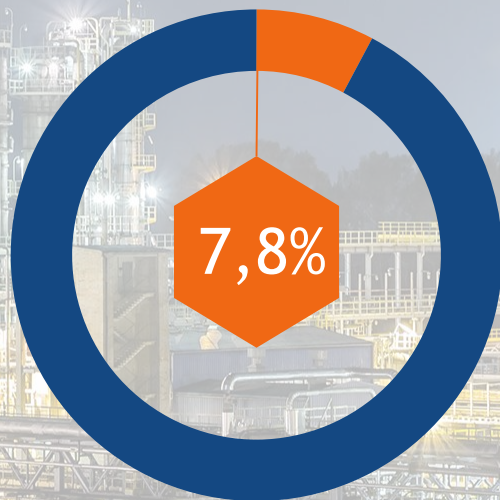


Plasticizers,
OXO alcohols,
aldehydes

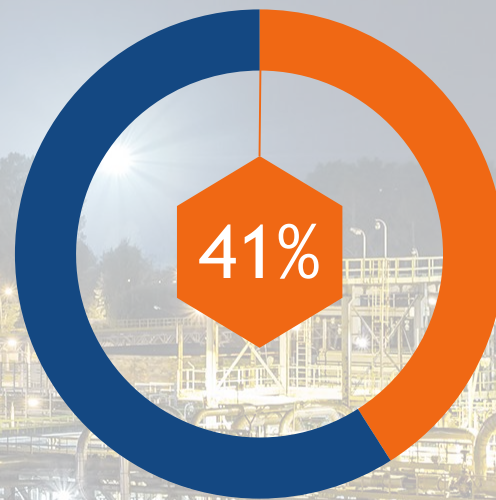


Laboratory
Services,
others

OXO Segment share in
Grupy Azoty S.A.
revenue



OXO Segment share in
Grupy Azoty ZAK S.A.
revenue



Discover **OXO** Segment

Discover the technology of tomorrow
based on years of experience.
Meet our OXO products.
Choose trusted solution.



OXO Segment Product portfolio



OXO products applications

Thanks to our products everyday goods are flexible and user friendly. Guess how frequently you use them? The amount of industries they are used in is vast!





OXO Segment 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 addend factor in our industry regardless of economic situation.

Strategic aim

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

Activities

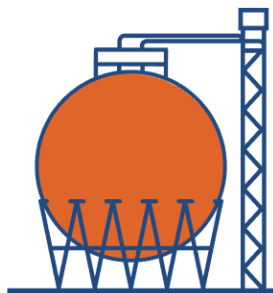
To introduce new generation plasticizers. To lengthen value chains. To perfect customer services employing innovative logistics solutions. To utilize new perspective market segments and markets. To optimize production and storage costs.



OXO Segment
main capacities

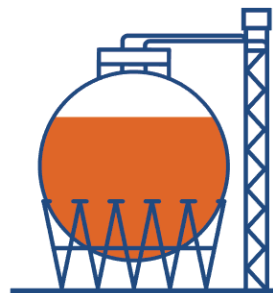
Plasticizers

Capacities



Oxoviflex®

50 kT/year



Oxoplast Medica®
Oxoplast® O
Oxoplast® PH

36 kT/year

TOTAL
86
kT/year

Tons produced since 1954



TOTAL
2,3
mln tons

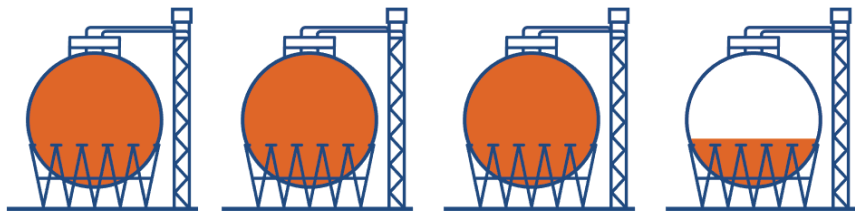




OXO Segment
main capacities

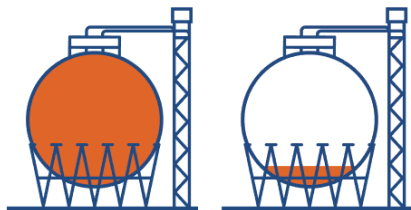
OXO alcohols

Capacities



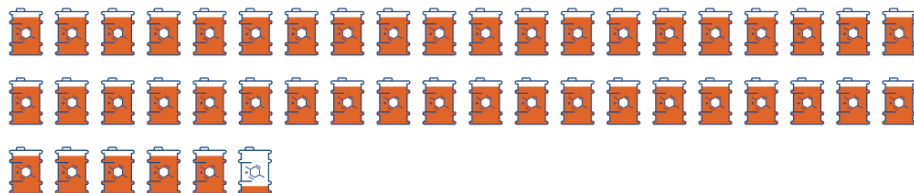
2-Ethylhexanol
170 kT/year

TOTAL
225
kT/year



n-Butanol
Isobutanol
Octyl alcohol F
55 kT/year

Tons produced since 1986



TOTAL
4,515
mln tons

ZAK
QUALITY

PLASTICIZERS
SINCE 1954

OXO
ALCOHOLS
SINCE 1986

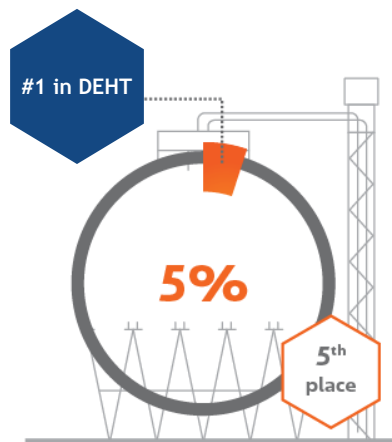
OXO Segment Production proces





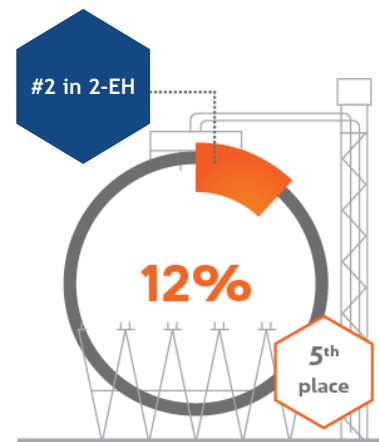
Market share in European Union

Plasticizers



with reference to DEHT, DINCH, DINP, DPHP capacity

OXO alcohols



with reference to 2-EH and Butanols

- ✓ Our experience in plasticizers dates back to **1954**
- ✓ We utilize two separate plants
- ✓ Our new **Oxoviflex®** plant places us within top three general purpose non-phthalate plasticizers producers in Europe
- ✓ We do not erase the past - we still offer **DEHP** - produced at our facility since **1963**
- ✓ Yet we invest in future - **specialty esters, and other OXO derivatives**

- ✓ We've been producing OXO alcohols since 1986
- ✓ Our plant was modernised in 1998 and is one of the most modern in Europe
- ✓ Apart from OXO alcohols we supply their precursors i.e. n-butyraldehyde & isobutyraldehyde
- ✓ We serve customers globally





Oxoviflex®
innovative
and safe solution
for the future

Oxoviflex®

THE NON-PHTHALATE PLASTICIZER



Growing requirements and higher quality standards of plastics industry are the backbone of OXO Segment development. Thanks to our non-phthalate plasticizer Oxoviflex®, everyday goods are flexible and user friendly.

Oxoviflex® is innovative, non-phthalate PVC plasticizer which can be used also in food contact applications and child toys.

- ✓ Ecological profile = not classified
- ✓ No legal restrictions and limitations
- ✓ Safety
- ✓ REACH status - registered





OUR FUTURE

Specialty Esters Project (SEP)

SEP is a key development activity to be finalised in 2018th . The core part will be a new plant dedicated to innovative, specialty non-phthalate plasticizers including polyesters and bio-polyesters. The production plant will be accompanied by semi-industrial unit designed for developing and producing batches of new plasticizer types. They will be tested at Application Laboratory and at PVC converters production facilities.



OUR FUTURE

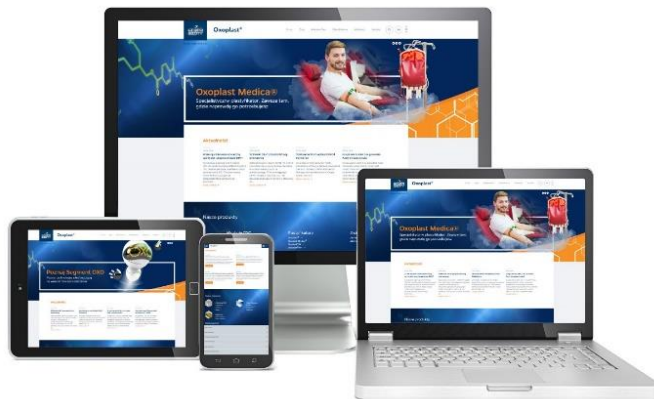
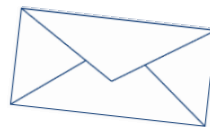
Research and Development Centre

Running advanced R&D works to develop new methods of manufacturing specialty plasticizers will be among the first tasks to be completed by the Research and Development Centre. These plasticizers will pose unique parameters and will be used not only as PVC plasticizers, but also as additives in other polymers and plastics.



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Join us at the international trade fair **PlasPol!** Newsletter OXO



2017-04-21

Join us at the international trade fair **PLASTPOL 2017**

During the fair we will present the OXO Segment's offer which includes high quality OXO alcohols and plasticizers. Visit Grupa...

[Zobacz więcej](#)

2017-03-10

Maintenance

During this period quantity of the oxo alcohols and the plasticizers will be limited. Please do not hesitate to contact...

[Zobacz więcej](#)



2017-04-27

International conference, international challenges

During the conference Grupa Azoty ZAK S.A. presents OXO Segment's products portfolio, including high quality plasticizers (i.e. Oxovitel®, Oxoplast...

[Zobacz więcej](#)

2017-04-24

Kedzierzyn-Koźle became the capital of Polish volleyball once again!

Led by Italian coach Ferdinando De Giorgi, ZAKSA Kedzierzyn-Koźle has an outstanding season winning 30 out of 34 matches! The...

[Zobacz więcej](#)

Polecamy



Meet our OXO products. Discover OXO Segment - INFOGRAPHIC [PDF]

Thanks to our products everyday goods are flexible and user friendly. Guess how frequently you use them? The amount of industries they are used in is vast:

[Zobacz więcej](#)

OXO Segment 2017 - BROCHURE [PDF]

Get to know us better! Download the latest OXO Segment 2017 Brochure

[Zobacz więcej](#)



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Thank you for attention



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