



AKCROS

CHEMICALS

A GLOBAL ADDITIVES COMPANY

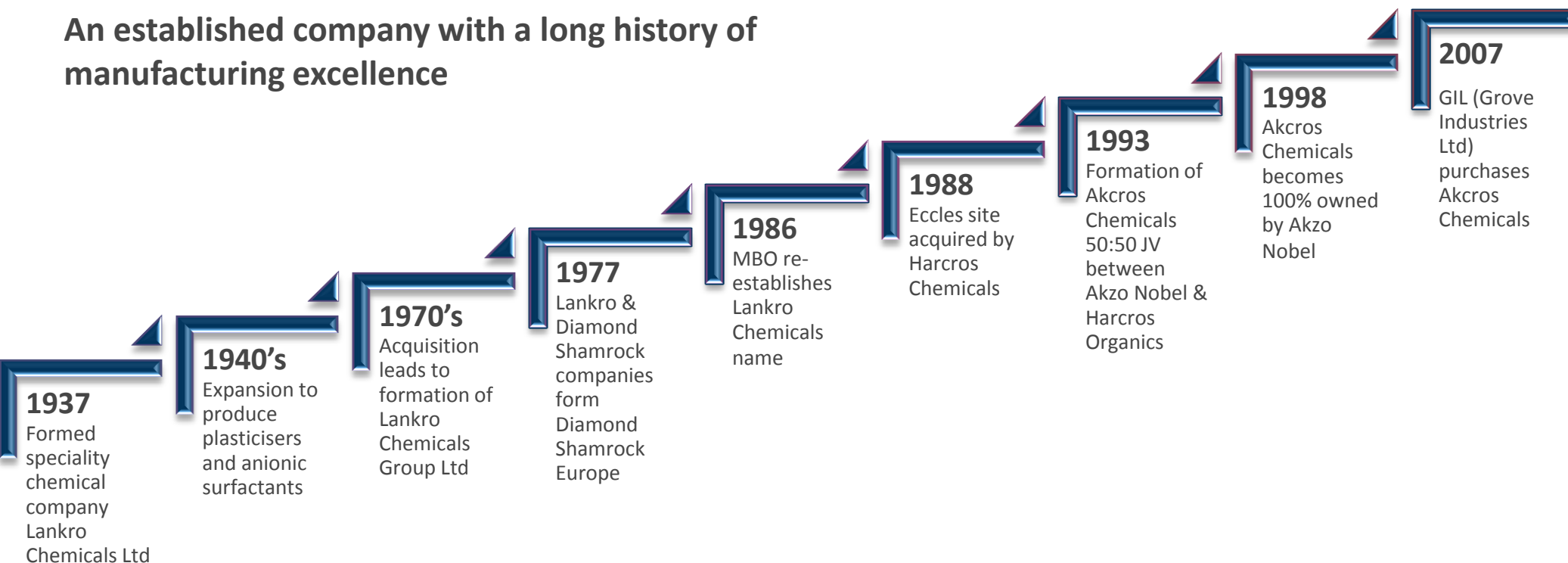
Vision, Mission & Values

- **Vision:** To be the recognised go-to additives supplier in our chosen markets, achieving sustainable profitable growth
- **Mission:** To supply and support the global polymer & coatings industries with high quality, cost effective products and technical support for customers
- **Values:** Entrepreneurial spirit, personal integrity and social responsibility



OUR HISTORY

An established company with a long history of manufacturing excellence



OWNERSHIP & DEVELOPMENT

- Akcros has been owned by Grove Industries Ltd (GIL) since April 2007
- GIL is a private investment company based in Stratford-upon-Avon, UK
- GIL own several mainly manufacturing mid-sized companies
- Long term industrial investors, active as an investor group since 1991
- See more at www.gilinvestments.com

- GIL have supported investments to keep Akcros at the forefront of polymer additives
 - 2008 - New bonding agent facilities in UK
 - 2009 - New Epoxidised Linseed Oil Plant
 - 2010 - Set up Hong Kong trading company and manufacture in China
 - 2010 - New biocide plant in UK
 - 2010 - Back integration in tin for US markets
 - 2011 - Epoxy expansion in UK
 - 2012 - Investment in phenol free phosphites
 - 2012 - Acquisition of Dow biocides for polymers in North America
 - 2013 - Global deal with Dow on biocides and extruder investment
 - 2014 - Set up Akcros India with manufacturing capabilities
 - 2014 - Acquisition of Verdex Ltd, UV epoxies start-up
 - 2015 - Acquisition of Lamberti PVC Additives



LOCATIONS AND REGIONAL ACCESS



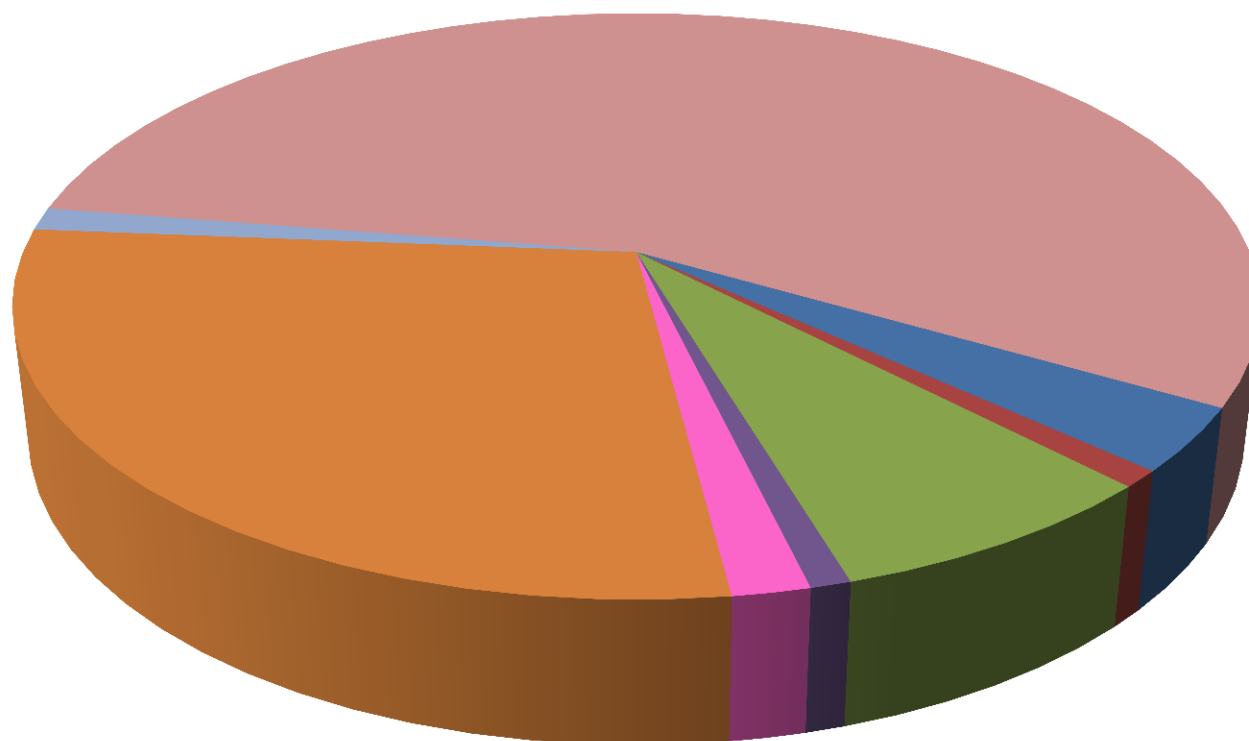
OUR MARKET POSITION

- **Turnover > €100m**
- **Employees – 170 worldwide**
- **No.1 Biocide supplier for PVC globally**
- **No.1 in Europe for flexible PVC additives**
- **Global supplier for PVC, PU, rubber and coating additives**
- **Leading supplier of phenol free low VOC additives**
- **Most extensive product range of all competitors**



GLOBAL SALES

Sales by Region



- Asia
- Central America
- Eastern Europe
- Africa
- Middle East
- North America
- South America
- Western Europe

** Not Including Lamberti PVC Additives*



OUR COMMITMENT TO QUALITY, SERVICE & RESPONSIBLE CARE



Our manufacturing sites are ISO accredited
In-house we adopt a policy of continuous improvement



Eccles:
ISO 14001/ISO 9001/ISO 18001



New
Brunswick:
ISO 14001/ISO 9002

LTI Frequency Rate <0.5 per 1,000,000 hrs



DELIVERING TECHNICAL EXCELLENCE

Progress and innovation through commitment to R&D

- Focused on meeting customers needs and products
- Innovative programmes of new product development
- Customer focused solutions

Technical service of highest standards

- Extensive application labs: microbiological, analytical, PVC, QC
- Wide ranging testing facilities
- Problem solving and technical support
- Wide range of ISO test protocols
- On-site support including hygiene audits
- Servicing all customer needs





AKCROS
CHEMICALS

PRODUCT RANGE SUMMARY

Stabilisers

- Liquid mixed metal stabilisers: Ba/Zn, Ca/Zn and K/Zn, with phenol free technology
- Paste and solid mixed metal stabilisers, Ca/Zn

Plasticisers

- Epoxy plasticisers: ESBO, ELO, epoxidised octyl stearate & others
- Monomeric plasticisers: DOA, DOTP, TOTM
- Polymeric plasticisers: polyester adipates

Biocides

- Isothiazolinones (BIT, MIT, CMIT, OIT, DCOIT), Folpet, EDDM, IPBC, pyrethroids, BNPD (Bronopol), DBNPA, and others

Bonding Agents

- Isocyanurate polymers for bonding coated PVC to polyester fabric

**Lankromark
Lastab**

Interstab

Lankroflex

Intercede

Vulcabond



PRODUCT RANGE SUMMARY

Organotins

- Butyl and octyl based polymer catalysts. Methyl & butyl tin mercaptides, butyl tin carboxylates

Antioxidants

- Organophosphites including in-house phenol free technology, hindered phenols

Antistatic agents

- Glycerol esters, ethoxylates, quats

Driers

- Paint driers for the coatings industries

Supplementary

- Rheology modifiers, metallic stearates, PE waxes, TiO₂, UV/light stabilisers, processing aids

Tinstab

Akcrostab

Lankromark

Lankrostat

Interlite

Lubex



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