



Harmony in
Chemistry

Presentation



CUT



CLEAN



COAT



CONSERVE



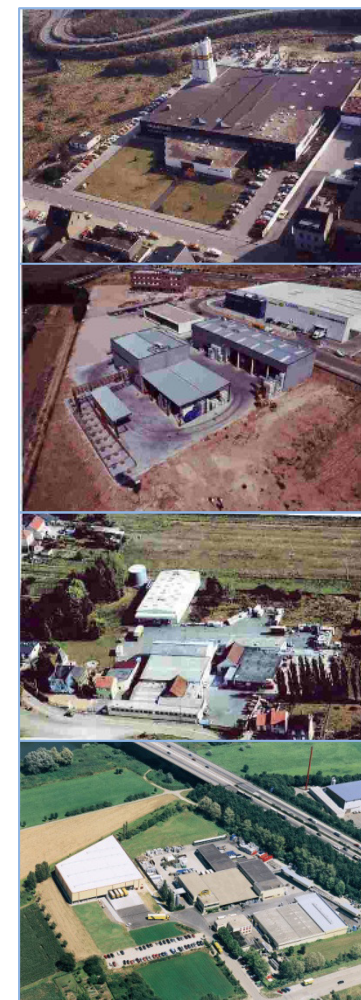
CLEAR



Harmony in
Chemistry

Facts and Figures

1950	Founded by Hans Kluthe
9	Production plants in Europe
15	Licensees world-wide
~220	Million Euro revenue p.a.
~3.500	Active products
~15.000	Customers
~20.000	Formulations
~65.000	m² production area
~160.000	to production volume
~350.000	m² property



Kluthe in Europe

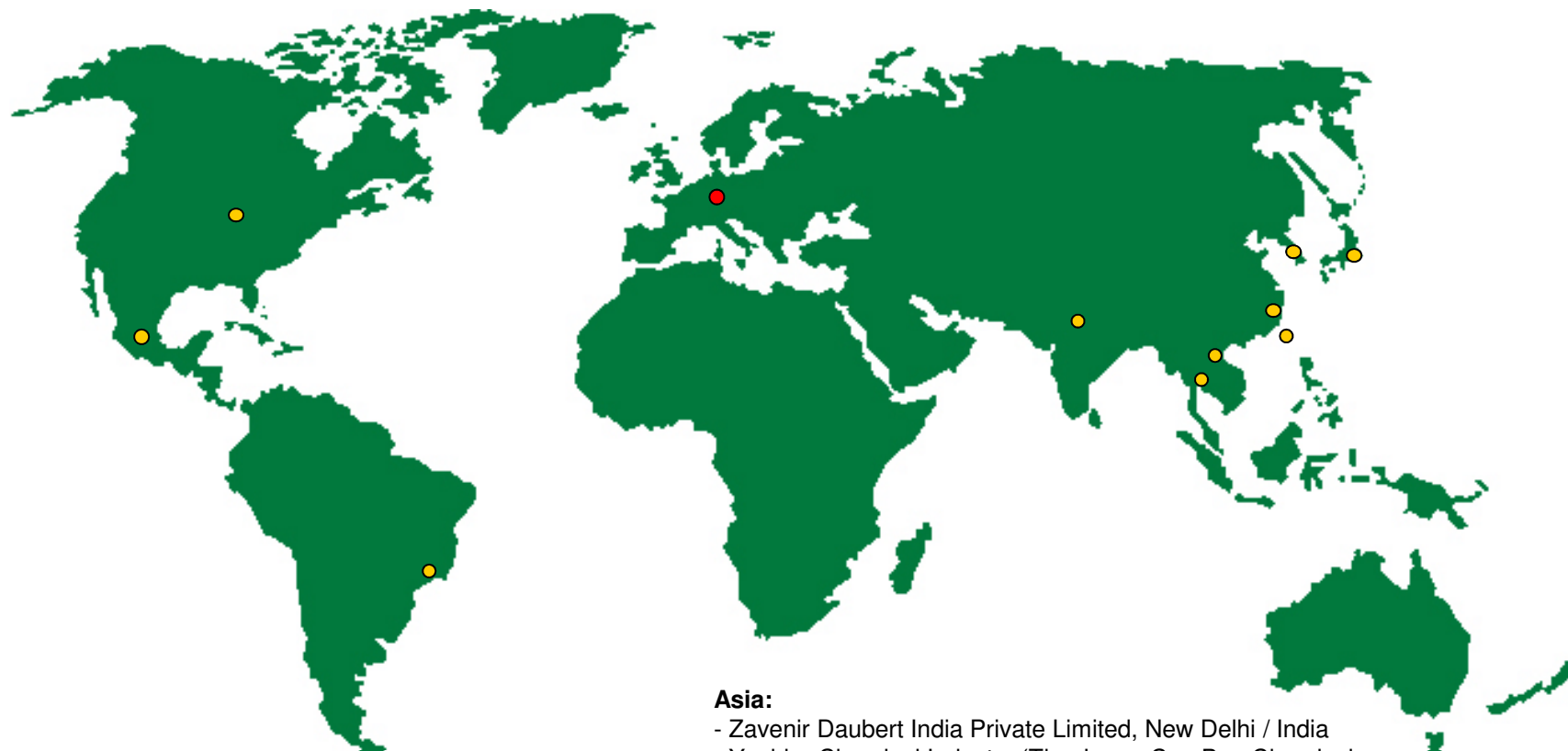
- D-Heidelberg
- D-Asperg
- D-Mügeln
- D-Oberhausen
- Eberhard Transport GmbH, D- Heidelberg
- Rematec GmbH, D- Heidelberg
- Kluthe Benelux, NL- Alphen
- Braunsteiner GmbH & Co KG, A- Kirchberg-Thening
- ACR Lokeren, B- Lokeren
- C.I.A.T. S.R.L., I- Turino
- Master 11 Ltd., BG- Plovdiv
- Kluthe chemistry Swiss GmbH, CH- Reussbühl
- Kluthe CR S.R.O., CR- Sobotka
- Kluthe Ibérica, E- Madrid
- Kluthe France, F- Kuntzig
- Kluthe UK, UK- Milton Keynes
- Kluthe Poland, PL- Mogielnica
- Kluthe-Duraner, TR- Bursa
- EnviroStripp Chemicals AB, Sweden
- Teknoma Oy, FIN- Espoo
- Teknoma Esti OÜ, EST- Rae Valid
- SC Remcar SRL, RO- Brasov
- Felületkemia KFT, H- Budapest
- Peter Lacke, Moscow





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Kluthe – Global activities



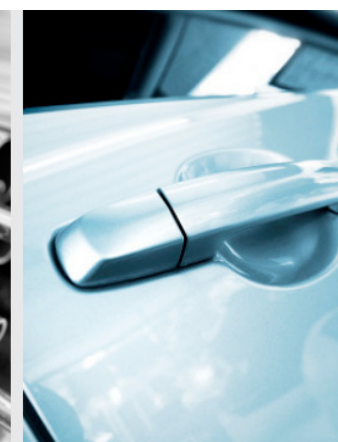
America:

- Kluthe North America / Coral Chemicals Co., Zion USA
- Kluthe Mexico / Mexico
- Kluthe do Brasil, South America

Asia:

- Zavenir Daubert India Private Limited, New Delhi / India
- Yushiro Chemical Industry (The Japan Cee Bee Chemical Co., Ltd), Japan
- Wemake, South Korea
- Kluthe Chemicals Shanghai
- Kelly's TW, TH, VT

The 5C-Concept

				
CUT TECHNOLOGY/APPLICATION Metal Working PRODUCTS/PROPERTIES Cooling Lubricants - water-miscible - non water-miscible - mineral oil-based - mineral oil-free	CLEAN TECHNOLOGY/APPLICATION Cleaning Degreasing Paint Stripping PRODUCTS/PROPERTIES Water-based cleaning agents Emulsion Cleaners Solvent-based cold cleaning agents Cleaning thinners for solvent- and water-based paints Paint strippers	COAT TECHNOLOGY/APPLICATION Pretreatment Coatings PRODUCTS/PROPERTIES Iron and zinc phosphatizing agents Chromatizing agents Chromium-free conversion processes Conversion treatment for multi metal Thin-film technology	CONSERVE TECHNOLOGY/APPLICATION Corrosion protection Protection from microbiological contamination PRODUCTS/PROPERTIES Film-forming rust preventatives Water-soluble corrosion inhibitors Biocides & permanent preservation agents	CLEAR TECHNOLOGY/APPLICATION Circulation water treatment Effluent water treatment PRODUCTS/PROPERTIES Paint coagulants Effluent water precipitation and flocculation agents Oil demulsifying agents



Harmony in
Chemistry

The Industries we serve...

- **Automotive Industry (OEM)**
- **Automotive Aftermarket**
- **Automotive Components Industry**
- **General Industry**
 - **Heavy Equipment / Off-road Industry**
 - **Heating-Ventilation-Air Conditioning Industry (HVAC)**
 - **Container Industry (beverage and food containers)**
 - **Aluminium Processing & Finishing Industry**
 - **Electric & Electronic Components Industry**
 - **Job Coaters**
 - **other General Industries**
- **Steel Industry**
- **Engine & Machine Construction Industry**
- **Manufacturers of Metal Articles**
- **Distributors for Maintenance Chemicals & Paint Materials**





Harmony in
Chemistry

Our mission is...

“Harmony in Chemistry”

Our objectives are to...

...save resources

...protect the environment

...reuse chemicals, reduce effluents and waste

...help our customers to improve quality and cost

...help our customers to increase productivity

...develop new **products** and technologies



LIEBHERR



PSA PEUGEOT CITROËN

PEUGEOT CITROËN



ThyssenKrupp Steel



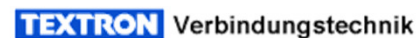
Imannesmann
Demag
Krauss-Maffei



FREIZEIT MARKE KETTLER



Ciba



PLASTIC OMNIUM



PEINER
Umformtechnik



Quality made in

- **certified**
ISO/TS 16949: 2009
- **certified**
ISO 9001: 2008
- **certified**
DIN EN ISO 14001: 2004
- **quality confirmed e.g. by**
 - BMW
 - Daimler
 - Ford (Q 1)
 - MAN
 - Opel
 - Deutsche Bahn
- **Nationally recognized expert in chemical waste**
- **BDI – European award for environmental protection in industry**



Harmony in
Chemistry

Kluthe products

- **HAKUFORM** - and **HAKUFLUID** – cooling lubricants
- **HAKUPUR** - cleaners
- **DECORRDAL** – pretreatment
- **HAKU und NIKUTEX** – solvents and purge fluids
- **ISOGOL** and **T 400** – water treatment
- **CONTROX** – paint strippers
- **CUSTOS, HAKUDREN, PLASTELOX** – corrosion protection