

HUNTSMAN

Enriching lives through innovation

Huntsman Advanced Materials

Overview Presentation



Huntsman Corporation Divisions

Differentiated

Polyurethanes

MDI
Polyols
PO/MTBE
TPU
Systems



Performance Products

Performance Specialties
Performance Intermediates



Advanced Materials

Base Resins
Formulated Systems
Specialty Components



Textile Effects

Apparel & Home Textiles
Specialty Textiles



Inorganic

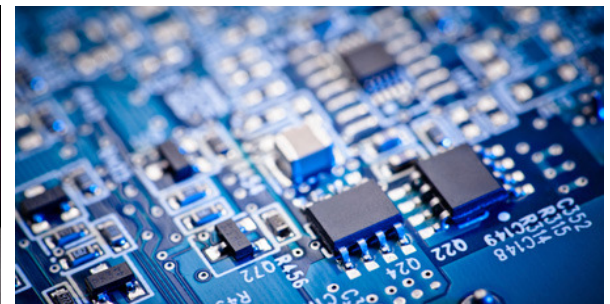
Pigments

Titanium Dioxide



Focused Industries

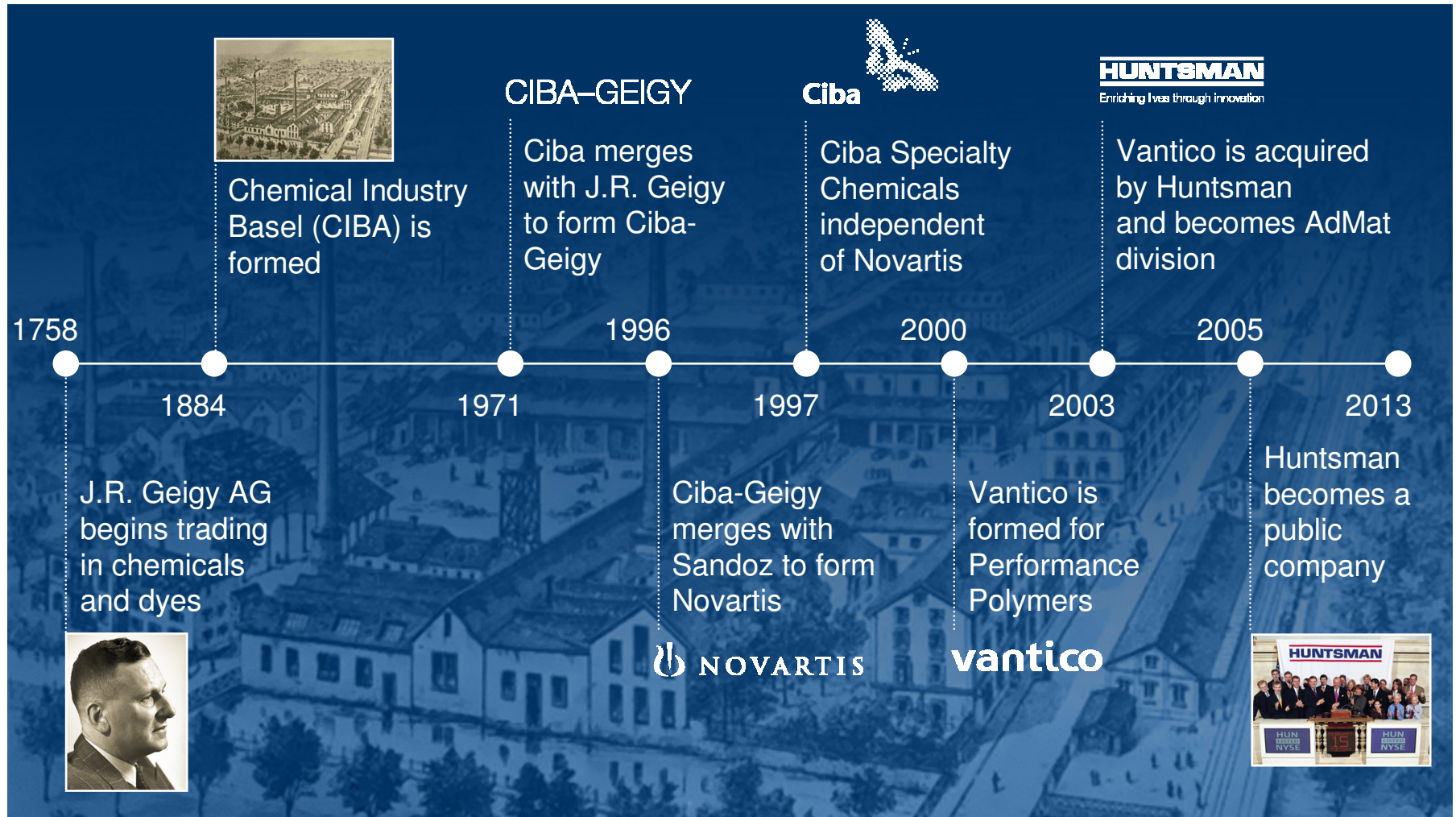
Improving product performance through chemistry



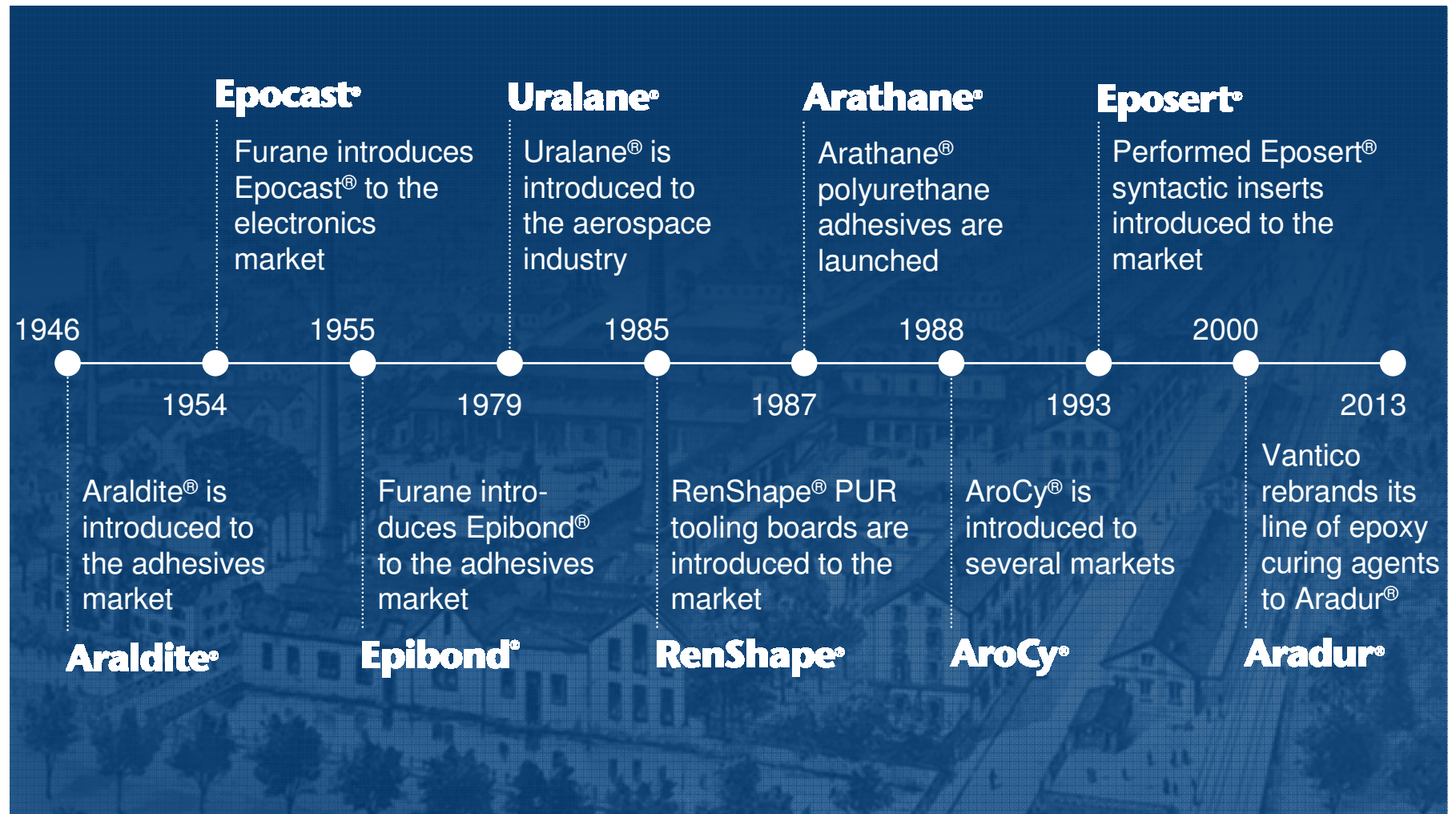
Our History

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Our Innovation



Our Products



Base Resins

Liquid epoxy resins

Solid epoxy resins

Epoxy solutions

Specialty Components

Curing Agents

Matting agents

Reactive Diluents

Waterbornes

Multifunctionals

Crosslinkers

BisF/EPN/ECN

Reactive PAA

Formulations

Adhesives

Tooling

Composites

Laminates

Encapsulation

Insulation

Protection

Our Technology



Base Resins

100% Epoxy chemistry

Specialty Components

7% Polyimides, BMI, CE, Benzox

18% Amines, Anhydrides and others

75% High performance epoxy

Formulations

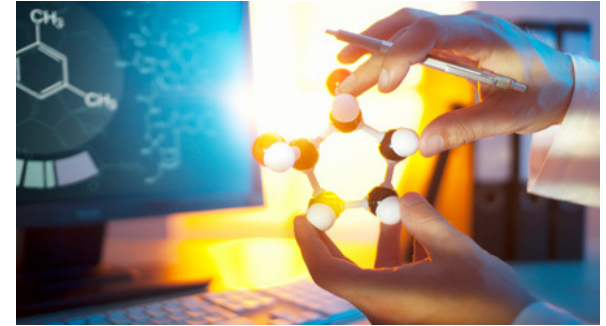
6% Other Specialties

8% Polyurethanes formulations

9% Acrylics formulations

77% Epoxy formulations

End Markets



Base Resins

Specialty Components

Formulations

Coating

Construction

Wind

Industrial Composites

Aerospace

Electronics

Sports and Leisure

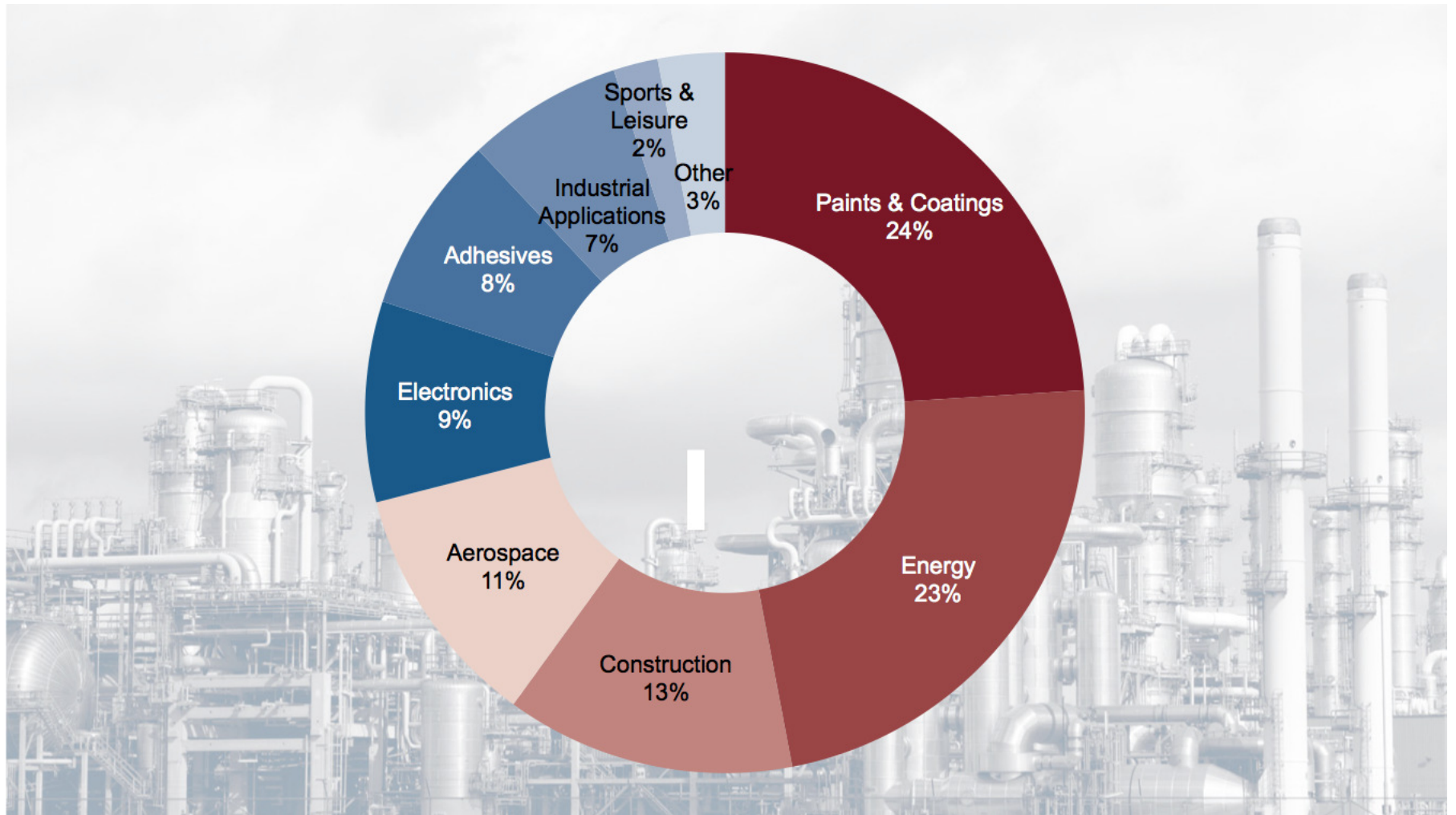
Power/Energy

Automotive

Industrial Adhesives

ARALDITE-Do it yourself

Market Presence

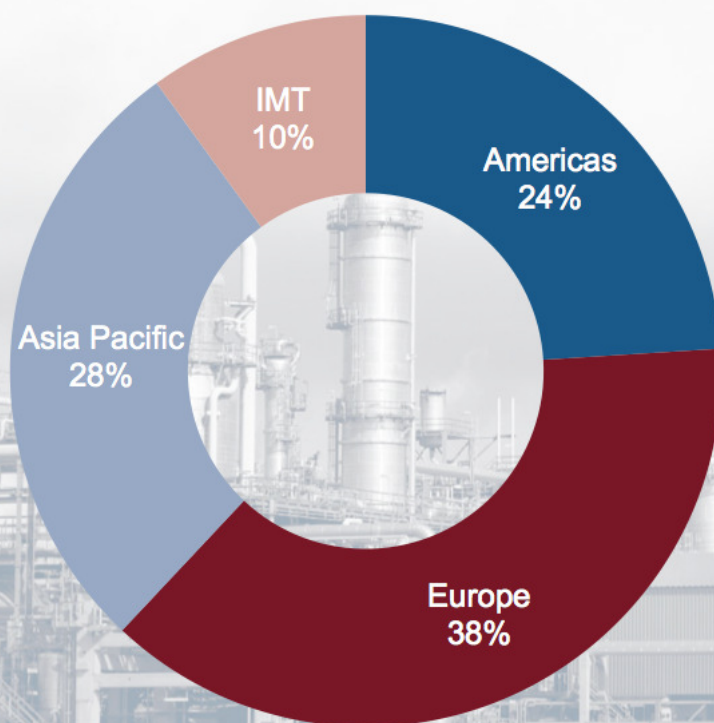


Size represents revenue percentage

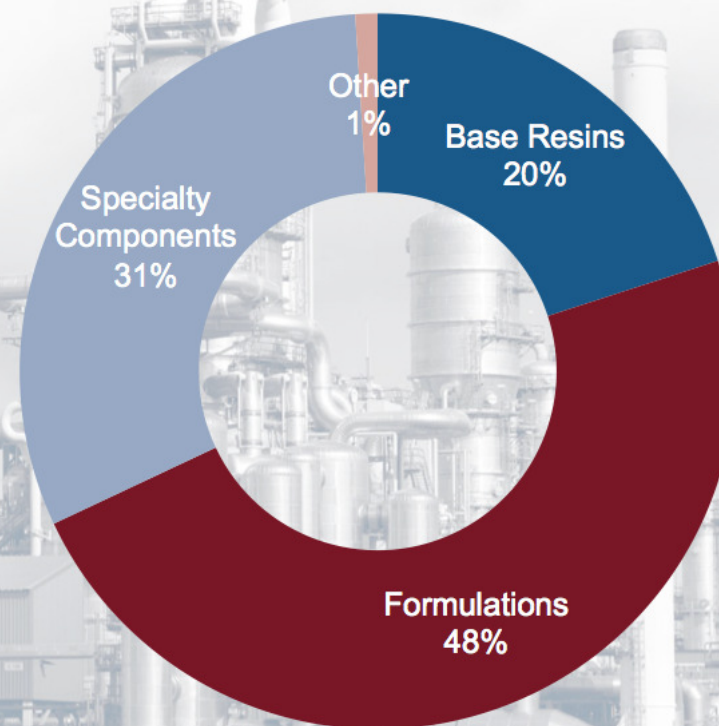
The Numbers

Revenue 2012: \$ 1.3 b – Adjusted EBITDA 2012: \$ 92 m

Revenue by regions



Revenue by SCU



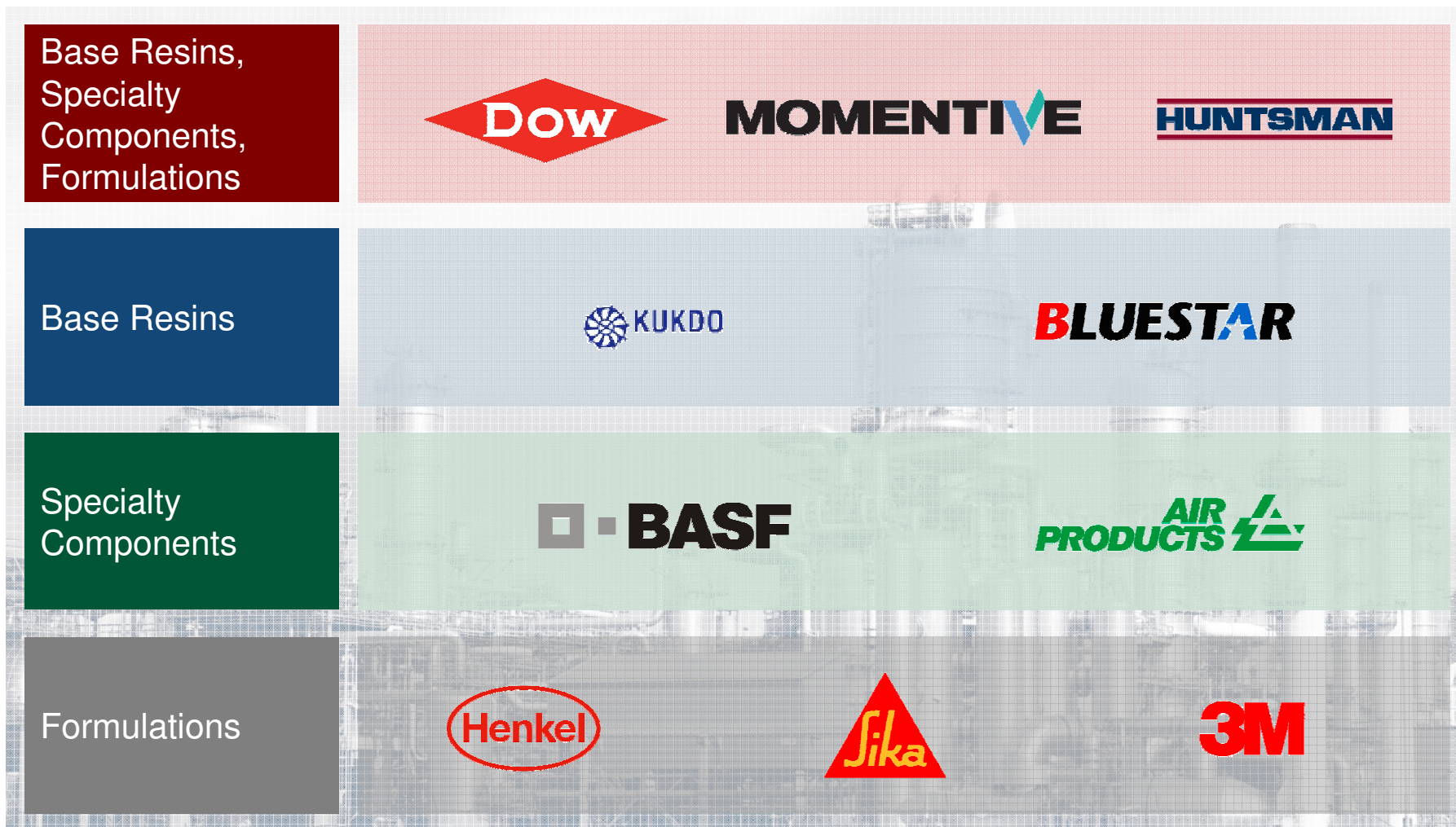
Figures based on 2012

Global Presence

More than 2,000 employees in 30 countries, serving over 2,000 customers with 1,500 products



Major Industries Players



A sample of some of our key competitors

Global Partners

Aerospace	 AIRBUS AN EADS COMPANY	 BOEING	CYTEC	 HEXCEL
Automotive	 Formula 1	 LAMBORGHINI		
Electrical Engineering	ABB	ALSTOM	Schneider Electric	SIEMENS
Wind	Gamesa		Vestas	
Construction & Coatings	 AkzoNobel	 PPG Industries	 Sika	 SHERWIN-WILLIAMS
Electronics	 BOSCH	Continental		

Aerospace



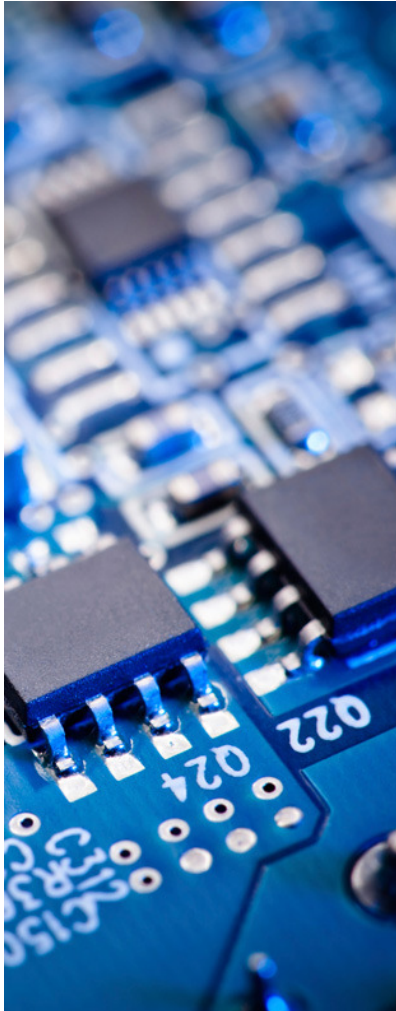
- Our products are extensively qualified to specifications of prepreggers and aircraft part manufacturers
- We supply specialty chemicals, adhesives and tooling systems to OEMs, formulators and part producers
- Our components make aircraft lighter, stronger and more energy efficient
- Qualified in next generation commercial aircrafts: Boeing 787, Airbus 350 & 380
- Composite usage in aircraft has increased from 10% to more than 50% in the last 10 years

Electrical Engineering



- Huntsman innovations are throughout the energy value chain, from power generation to transmission, distribution and storage—including solar and wind energy
- We accompany and support our global key accounts and OEMs in Electrical Engineering having headquarters in Europe and setting the global trends.
- Since six decades we develop innovative solutions in all kind of electrical applications, such as the Araldite HCEP, the hydrophobic, water repellent epoxy for outdoor insulators

Electronics



- A trusted partner in the Electronics industry for protection, safety and sustainability issues
- Huntsman has developed innovative solutions that are used during every stage in the production of printed circuit boards and electronic devices
- Our know-how and expertise allow us to develop epoxy and polyurethane systems that answer the most stringent requirements for electronics applications

Coatings & Construction



- More than a third of our global turnover comes from the Coatings & Construction industries
- One of the broadest portfolios, providing a complete range of building blocks for application solutions
- Our powder and liquid coatings products can be found in industries such as Transportation, Marine, Automotive, Architectural and Consumer White Goods
- Commitment to environmentally friendly systems while addressing customer needs and market requirements

Automotive



- Our resin systems and building blocks are supplied to part manufacturers, prepreggers and OEMs
- High penetration of carbon composite parts in Formula One and other high end consumer vehicles
- Strong market drivers include performance, safety and lighter weight
- Adoption of composite materials in mass market vehicles represents a huge opportunity for Huntsman

Wind energy



- More than 20 years commitment to the wind turbine industry
- Significant growth opportunities in the European offshore market and Asia Pacific
- Comprehensive range of lighter, stronger, longer-lasting materials
- Specialty components for prepreggers
- Formulated systems for blade, turbine and mould makers

Industrial and Consumer Adhesives



- ARALDITE® covers a broad range of applications for the industrial and consumer markets
- A leading brand in Europe for over 60 years
- Strong brand recognition in emerging markets such as India and Brazil
- Several chemistries and different technologies
- ARALDITE® adhesives can bond virtually anything
- Strong B2B growth

3% Industrial Fasteners
4% Welding/Brazing
10% Structural Adhesives

55%
Staples & Tacks

30%
Soldering

10%
Laser

Sports & Leisure



- In Sport & Leisure every gram counts
- Lightweight, strength, flexibility, design freedom and fatigue resistance are key factors affecting athletic performance
- Advanced Materials has over 50 years experience of combining design materials, composite resins and adhesives for consumer products
- We enable Sports & Leisure manufacturers to exceed the high performance expectations of their customers
- Largely EU based and built on brand awareness

Maintaining Strong Partnerships



- Trusted, long-term customer relationships
- Global manufacturing footprint designed for developing markets
- Diverse portfolio
- High technical and scientific expertise
- Product quality and reliability
- Recognized solutions provider

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