Evonik

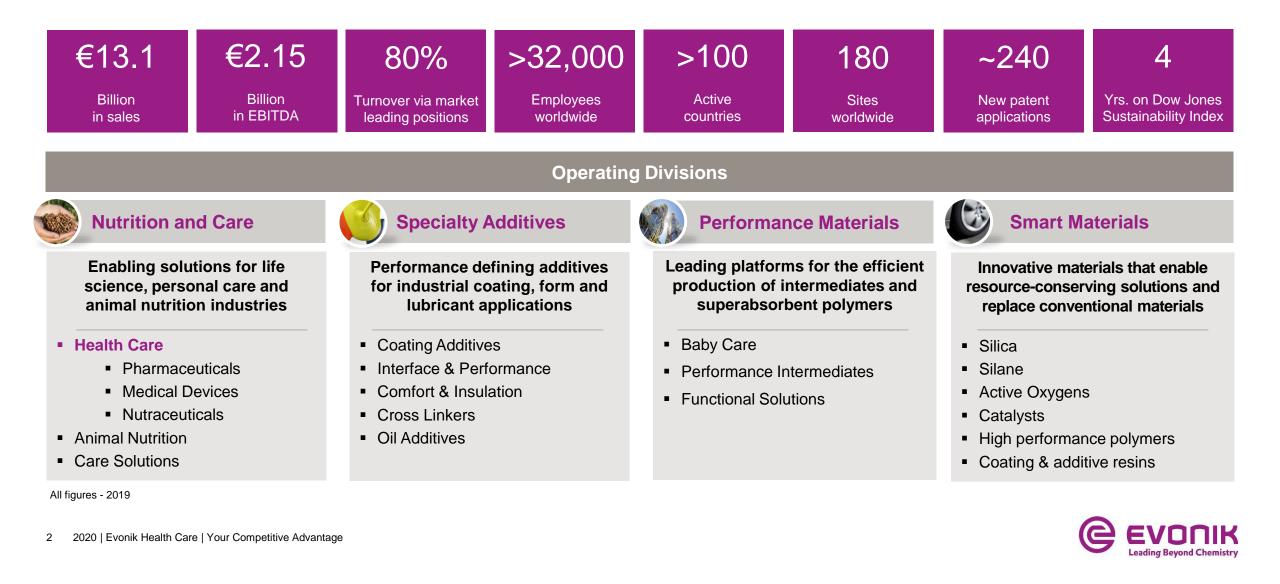
Leading beyond chemistry, to improve life, today and tomorrow.



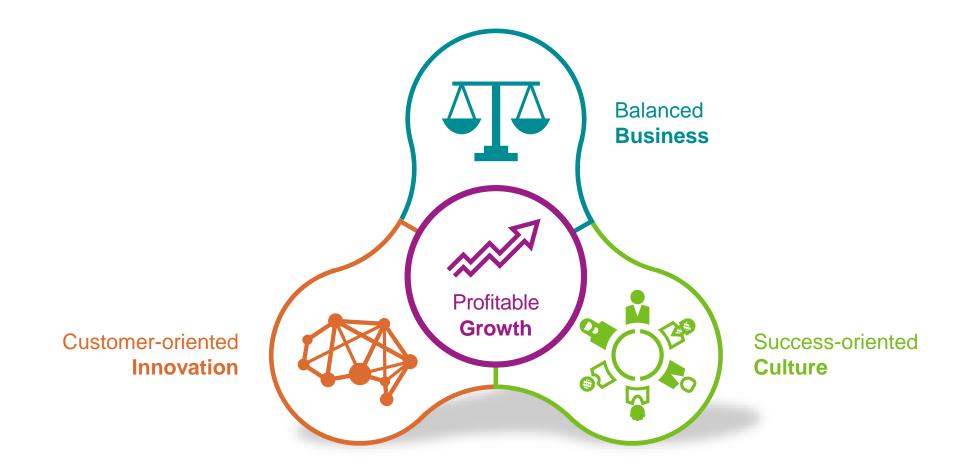


Introducing Evonik

A Global Specialty Chemicals Leader



Our strategy Growth and balance



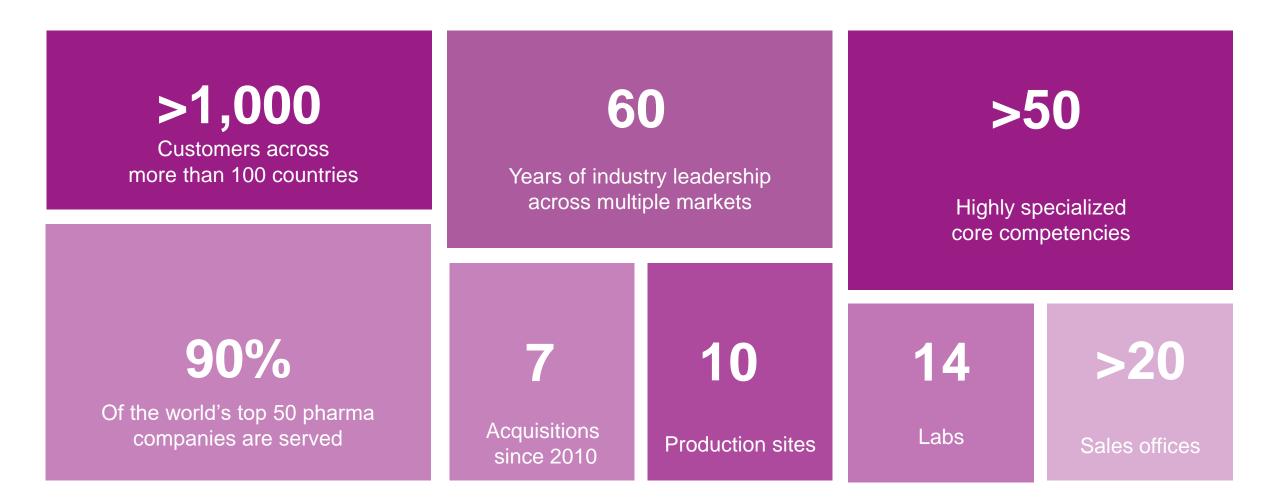


Evonik Health Care

Your Competitive Advantage









A global network of high-quality manufacturing sites for supply security





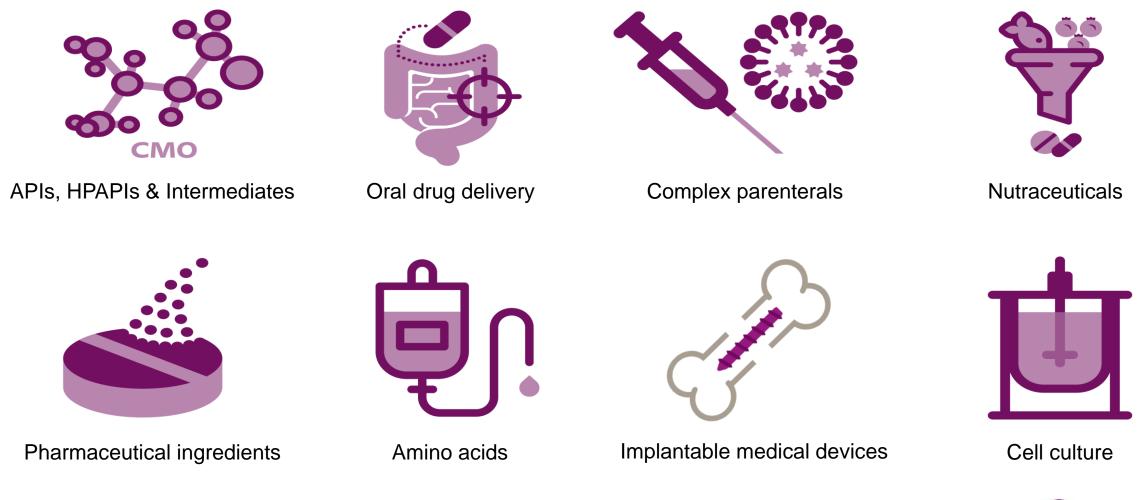
...and a global sales, formulation and application services network





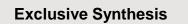
Evonik Health Care

An enabling development partner and solutions provider to the health care industry



Evonik Health Care A Broad Portfolio of Products, Technologies and Services

Pharmaceutical



- Top 3 CMO for API & intermediates
- World's largest HPAPI capacity
- Portfolio of advanced technologies

Generic API & Intermediates

- Keto acids & controlled substances
- Chiral compounds, phosphonium salts
- Benzophenones, boronic acids

Pharmaceutical Amino Acids

- REXIM[®] amino acids, salts, derivatives
- Parenteral and enteric nutrition
- Amino acid API (LOLA)



Oral Drug Delivery

- EUDRAGIT[®] functional polymers
- Formulation and scale-up services
- Oral drug delivery technologies

Parenteral Drug Delivery

- **RESOMER**[®] bioresorbable polymers
- CDMO for polymeric microparticles
- CDMO for lipid nanoparticles (LNPs)

Cell Culture Applications

- **cQrex**[™] cell culture ingredients
- Oligopeptides, performance boosters
- Booster screening & development



Nutraceutical

Advanced food ingredients

- AvailOm[®] high-load omega-3 powder
- Healthberry[®] anthocyanin powders
 - **Formulation Enhancement**
- EUDRAGUARD[®] functional coatings
- Development & scale-up services



Medical Devices

Biomaterials

- RESOMER[®] bioresorbable polymers
- Endexo[™] for surface modification
- Recombinant collagen

Application Services

- Competence center, analytical labs
- 3D printing materials and services





Pharmaceutical industry

Exclusive Synthesis



- Global CMO leader for API & intermediates
- The world's largest HPAPI capacity
- High-quality, reliable production at any scale
- A broad portfolio of advanced technologies
- Extensive chemistry, biotechnology and process engineering expertise



Generic API & Intermediates

- A high-quality portfolio of generic API, intermediates and phosphonium salts inc:
 - Keto acids
 - Chlorhexidine
 - Controlled substances
 - Amino acid API and derivatives

Pharmaceutical Amino Acids



- REXIM[®] portfolio of amino acids, derivatives, salts and and peptides
- Parenteral and enteric nutrition
- L-Ornithine-L-Aspirate (LOLA)
- Extensive expertise in fermentation, chemistry and purification
- Highest quality and regulatory standards



Pharmaceutical industry (2)

Oral Drug Delivery



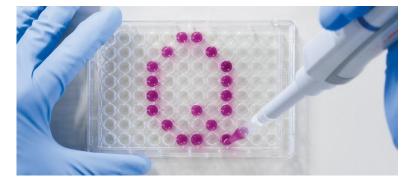
- EUDRAGIT[®] portfolio of functional polymers
 - Unrivalled versatility for solid dosage forms
 - Immediate, delayed, sustained release
 - Solubility and bioavailability enhancement
- Innovative oral drug delivery technologies
- Best-in-class formulation services & scale-up





- An enabling CDMO partner for liposomes, particles and drug-loaded implants
- RESOMER[®] portfolio of bioresorbable polymers for extended release medicines
- Formulation design, process development, scale-up, & clinical / commercial production
- Aseptic filling services

Cell Culture Ingredients



- cQrex[™] cell culture ingredients
- Oligopeptides
- Performance boosters
- Booster screening and development



Nutraceutical industry

Advanced Health Ingredients



- Advanced ingredients with proven scientific benefits for specific health areas
 - AvailOm[®] Omega-3 lysine complex
 - Healthberry[®] anthocyanin-rich extract
 - PentaQQ[™] pyrroloquinoline quinone
 - REXIVA[®] highly purified amino acids

Nutraceutical Coatings



- A broad, flexible toolbox of functional coating solutions for dietary supplements
 - EUDRAGUARD[®] protect
 - EUDRAGUARD[®] control
 - EUDRAGUARD[®] biotic
 - EUDRAGUARD[®] natural

Formulation Development Services



- Technical and analytical services for advanced formulation development
- Proof of concept to scale-up & CMO transfer
- Demonstrators for feasibility testing or trials
- A global network of formulation labs
- Expertise across all oral dosage forms



Medical device industry



- RESOMER[®] bioresorbable polymer catalog
- Standard & custom grades with a range of degradation times and molecular weights
- Composites to boost osteoconductivity
- PLA-PEG copolymers
- Polymers for textile-based devices
- Filaments & powders for 3D printing

Surface Modification Technology



- Endexo[™] passive technology
- Reduction of thrombosis, bacterial adhesion and biofouling risks
- Use of normal manufacturing processes
- No impact on device functionality
- Commercially used
- Compatible with a wide range of polymers

Application Technology Services



- Competence Center in Birmingham, USA
- Application labs in Germany and China
- Extensive design, development, processing, analysis and scale-up capabilities
- Processing technologies include molding, extrusion, 3D printing and electrospinning
- Robust regulatory documentation and data



A highly specialized strategic partner to transform complexity into value



Business Stability

A strong, sustainable business for long-term partnering confidence

Market Credibility

A trusted, market-leading product portfolio for oral & parenteral drugs

Project Flexibility

Highly specialized core competencies to address specific project needs

Supply Security

A Western-based manufacturing network for global supply security

Quality Excellence

A robust quality organization with regulatory expertise in all key markets

Global Responsiveness

Linked cross-functionally and worldwide for agile, efficient performance

Technical Expertise

Project teams with deep technical expertise, committed to execution

Customer-Focused

An innovation-led growth strategy to address emerging requirements



