Let’s make it work!
Innovation at Evonik

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Have something to contribute? Let's make it work!

As a global leader in specialty chemicals, we are looking for talented individuals who enjoy collaborating with other specialists to bring their ideas to life. Sound like you? Then be a part of our international team. Learn more about the countless opportunities at evonik.com/careers.

Exploring opportunities. Growing together.

Want to create the Future City? Let's make it work!

As a global leader in specialty chemicals, we believe that it is not a question of how things are, but how they could be. Do you think so too? Then be a part of our international team. Learn more about the countless opportunities at evonik.com/careers.

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Our objectives

Innovations

- drive profitable growth at Evonik
- give us access to new products and solutions
- open up attractive areas of business
- strengthen our leading market and technology position

Innovations support our financial targets for 2018

- Sales: ~ €18 billion
- Adjusted EBITDA: > €3 billion
Our strategy: Focus on megatrends

Innovations provide answers to the global key megatrends:

**Health, nutrition**
Pharma polymers for targeted drug release

**Resource efficiency**
SEPURAN® membrane for environmentally friendly purification of biogas

**Globalization**
Silica-silane technology for tires with lower rolling resistance
Our claim: Customer proximity and market success

- We know our customers and markets
- We take the entire value chain into consideration
- We specifically develop new products that provide a benefit for customers
- We integrate teams from R&D into Sales and Marketing

This enables us to
- combine innovation and proximity to customers
Our skills: Research and development

- Selected areas of competence
- Unique technology platforms
- Outstanding process technology and advanced engineering
- Market-oriented research and development
- Creative, efficient research organization

This enables us to

- explore completely new technologies, products, and solutions
- refine our existing products, applications, and processes
- strengthen a balanced innovation pipeline
Our figures in 2012

**R&D expenses (millions of €)**

- 2008: 311
- 2009: 300
- 2010: 338
- 2011: 365
- 2012: 393

6% p.a. growth

**R&D at Evonik**

- Over 500 R&D projects
- Portfolio of patents and applications filed: over 26,000
- No. of new patent applications filed: approx. 260
- Sales with products younger than 5 years: €1.5 billion

- R&D spending of €393 million (+8% compared to previous year)
- Around 2,500 employees at over 35 sites in our global R&D network
Our fields of innovation

- Biotechnology
- Electronic materials
- Additives for food and feed
- Medical devices
- New catalytic processes
- Membranes
- Composites
- Cosmetic ingredients
Focus of innovation
Biotechnology

Biotechnology in figures 2012

• Sales with products made using biotechnology in the Health & Nutrition Business Unit: over €300 million

• Sales target for 2020: €1 billion with products made using biotechnology in the Health & Nutrition Business Unit

• Investment in Biolys® by 2015: approx. €350 million

• R&D spending on biotechnology: over 10% of R&D spending

• R&D employees: over 200

Biotechnologically manufactured products

• Feed amino acids Biolys®, ThreAMINO®, TrypAMINO®

• Active pharmaceutical ingredient L-ornithine L-aspartate (LOLA)

• Anti-aging cosmetic actives (hyaluronic acid, ceramides)

• Enzymatically manufactured cosmetic emollients
Our claim: First-class in innovation

Evonik is one of the most innovative companies in the world.

Increase the value of the innovation pipeline
New products, applications, and processes must make a substantial contribution to sales and profit

Explore new horizons
Push radical innovation
Cross-BU collaboration

Enhance risk-taking
Trust, openness and transparency
Improve knowledge sharing