

Business Line Performance Intermediates

Evonik
Performance Materials Segment

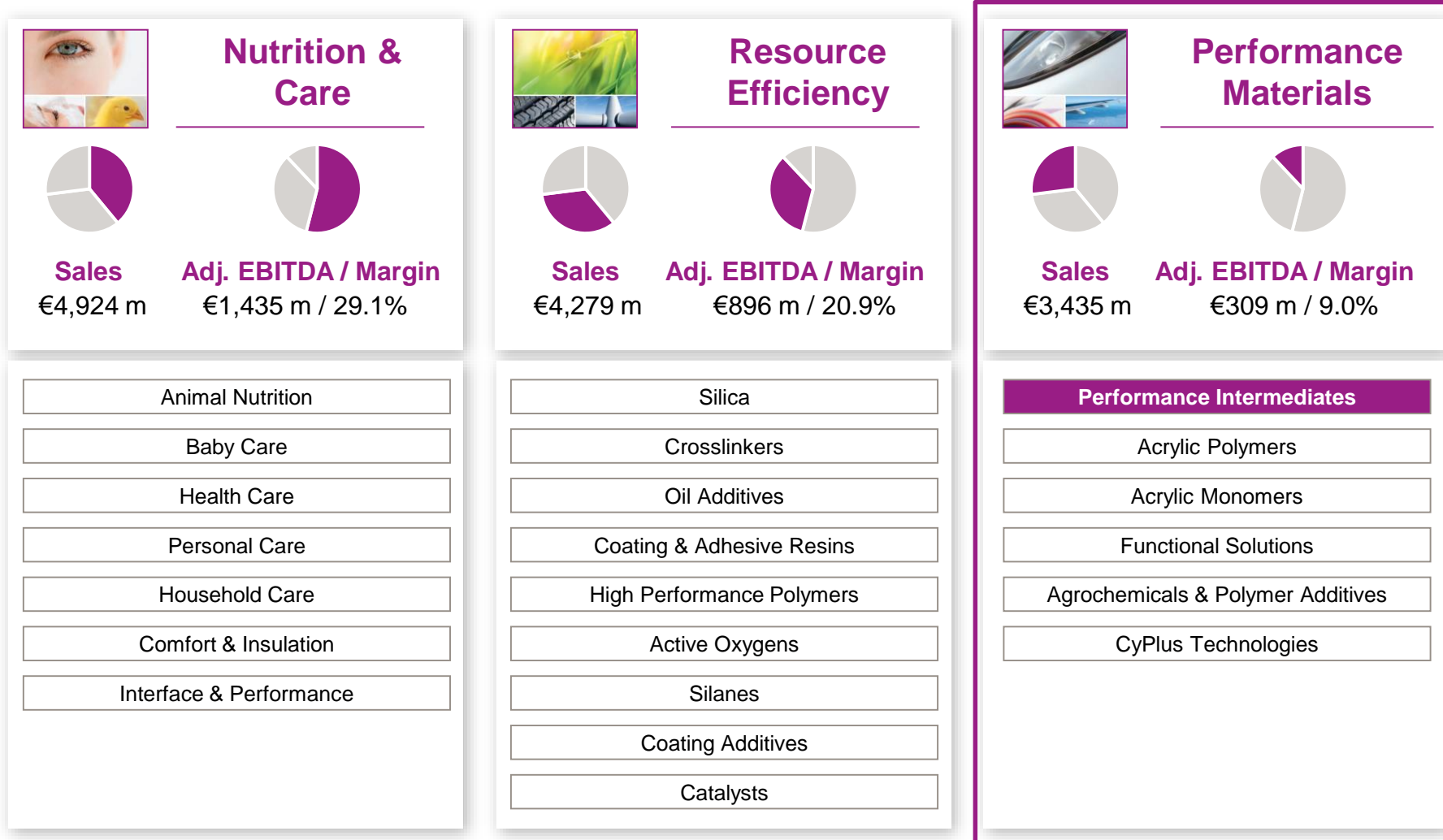
September 2015



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Evonik Group

22 Business Lines grouped in 3 segments



2015 financials; Business Lines ranked by turnover

Performance Intermediates with a strong foundation

Production sites

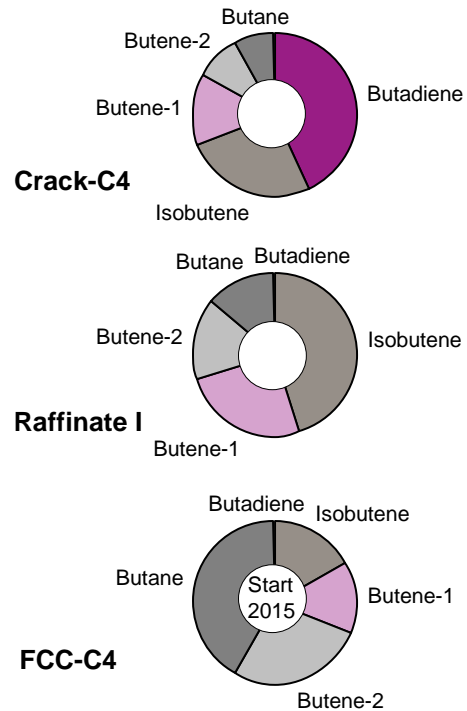


Characteristics

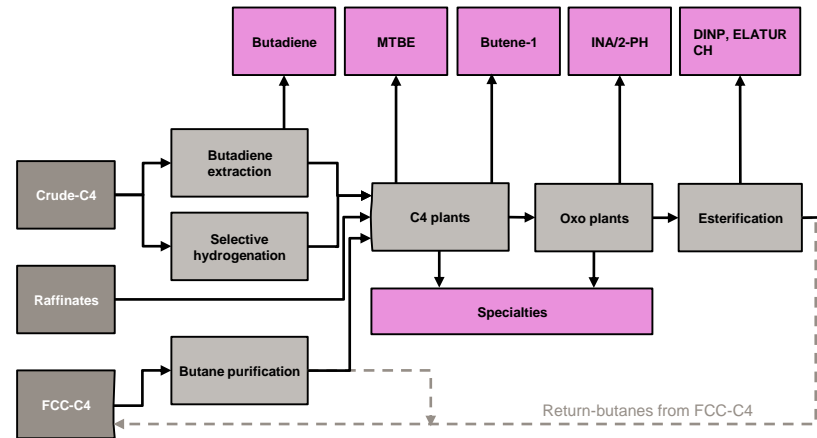
- **Leading C4 player with integrated Verbund in Europe**
 - Leading market positions in main products
 - Reliable production and high product quality
 - Long-term relationships with major customers and suppliers
- **Strong technology and IP position**
 - Best in class concerning total yield
 - Innovative technology to process feedstock FCC-C4
 - Secured IP position in our core technologies
- **Efficient processes and organization**
 - Lean and focused organization
 - Successful implementation of investment projects
 - Excellence in Verbund operation and liquid gas logistics

Backbone of PI is an integrated production Verbund optimizing the value from C4-streams

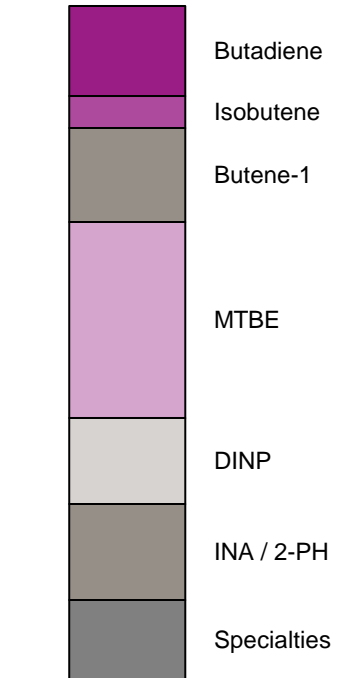
C4-Feedstock



Integrated C4 production platform



Product split








Value drivers

- Availability
- Quality
- Costs

- Technology
- C4-yield
- Plant utilization
- Efficiency

- Product mix
- Quality
- Pricing
- Logistics

PI serves 5 independent markets

| | Butadiene ¹ | Butene-1 | MTBE | DINP/ INA ² | Specialties ³ |
|------------------------|---|--|---|---|---|
| |  |  |  |  |  |
| Key Markets | Rubber & Plastics | Polyethylene Comonomers | Oxygenates for Gasoline | Plasticizers & Soft PVC | Various Markets ⁴ |
| Market position | #2-3 in Europe | #1 in Europe | #2 in Europe | #2 globally | |

1 incl. Isobutene

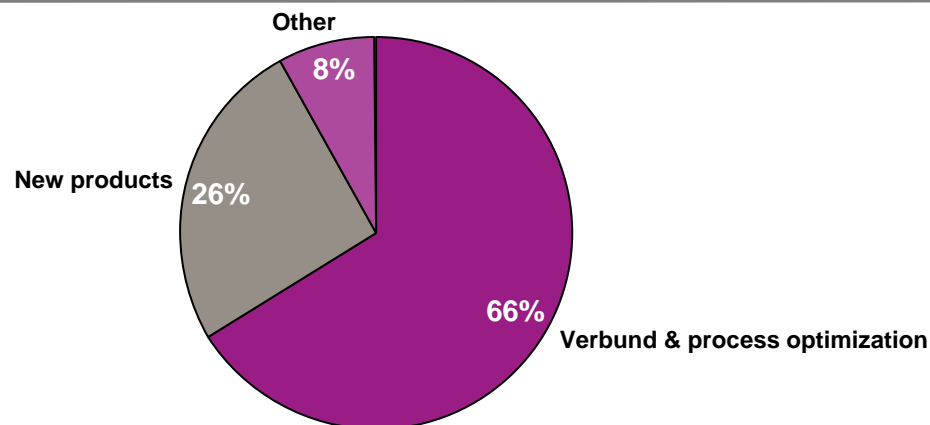
2 incl. 2-PH, EILATUR®CH, INB

3 incl. 1.2 Butadiene, MTBE-S, Di-i-Butene, 3,5,5-Trimethylhexanol (TMH), Di-n-Butene, Tributene, Tetrabutene, Tetrabutane, Drivosol®, Isotridecanol (ITDA), Oxo oils

4 Propellants, intermediates, lubricants, pharma...

Strong R&D with excellent track record in process and product development

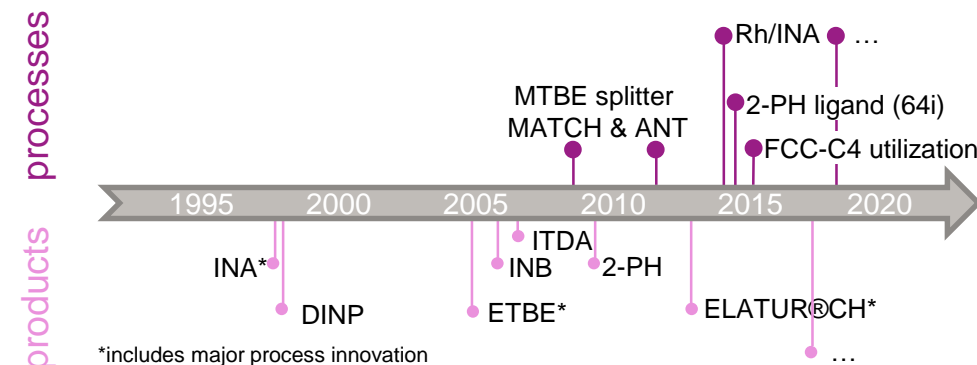
R&D development portfolio 2015



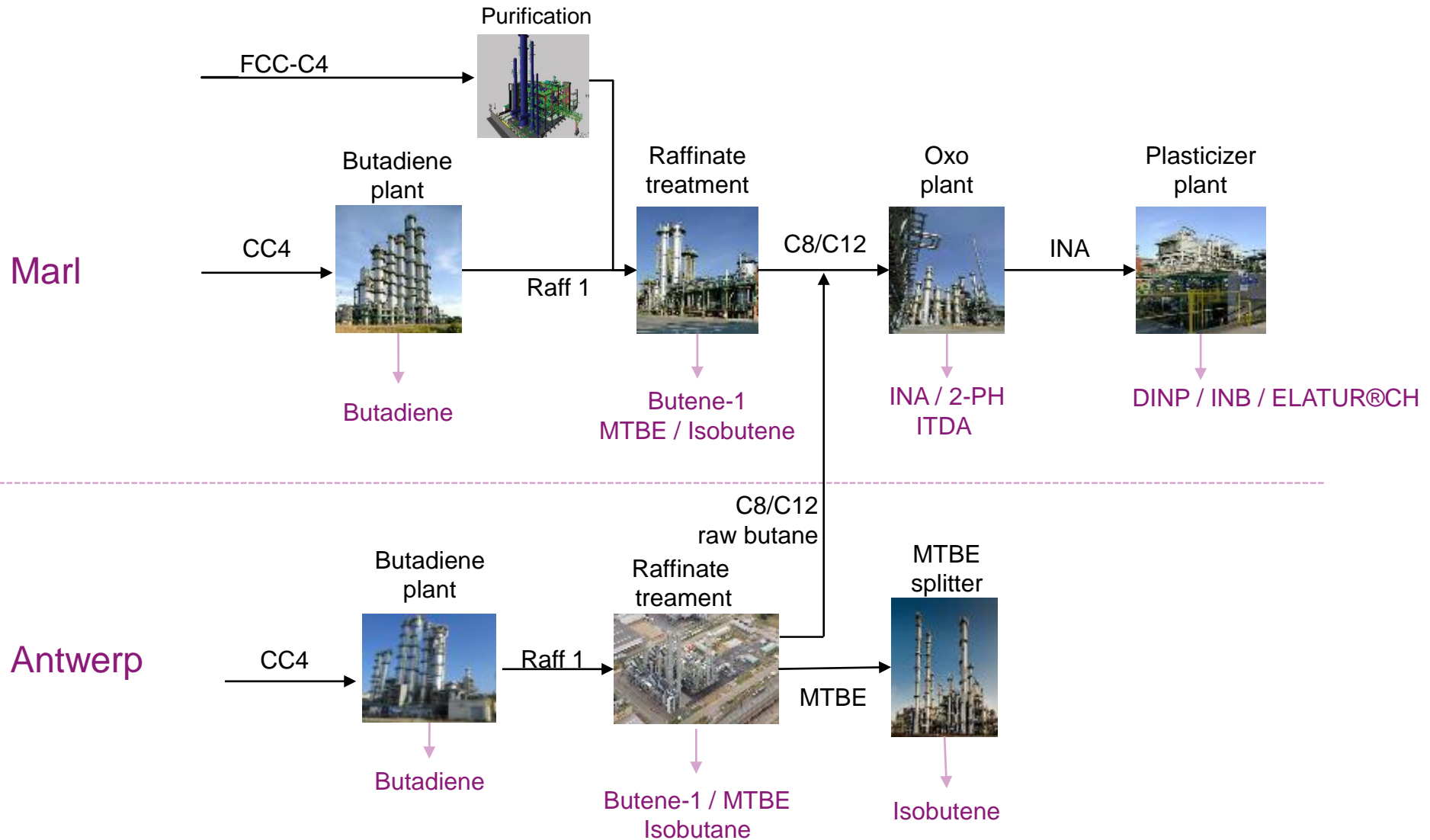
Facts and figures

- 70 staff in 3 laboratories in Marl
- 2/3 of current product sales based on own developments
- 2/3 of R&D projects with short and mid-term focus
- More than 240 active patents and patent applications, more than half of which filed in the last 5 years

R&D track record



Our plants in Marl and Antwerp





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