Feike Sijbesma CEO / Chairman Managing Board DSM in motion: *driving focused growth* DSM Capital Markets Day 2013



**HEALTH · NUTRITION · MATERIALS** 

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A more comprehensive discussion of the risk factors affecting DSM's business can be found in the company's latest Annual Report, which can be found on the company's corporate website, www.dsm.com



# Overview

- What we have achieved
- Strategy & drivers remain attractive
- Preparing for the next phase of growth



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### DSM in motion: driving focused growth





### Strong strategic progress

- Divestments of base chemicals activities with total €1.5bn sales and €0.2bn EBITDA (2007) at good multiples (total divestment proceeds ~€1.2bn)
- Portfolio significantly transformed: €2.4bn in value enhancing acquisitions in Nutrition, out of a total of €2.8bn acquisitions for DSM at an average EV/EBITDA multiple below 9
- Anti-infectives partnership established with Sinochem, 50% stake divested for €0.2bn

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- EBAs strengthened by Kensey Nash in Biomedical and partnerships in Bio-Based Products and Services
- Sustainability and innovation are driving growth
- DSM has become truly global. Well positioned for accelerated growth in High Growth Economies

#### Significant transformation (Sales Breakdown %)





### Ambitious targets set in 2010

Profitability targets 2013		2013 expectation
EBITDA	€ 1.4 - 1.6bn	Towards € 1.4bn
ROCE	>15%	9-10%
Sales targets 2015		2013 H1 realization
Organic sales growth	5% - 7% annually	1%
China sales	from US\$ 1.5bn to >US\$ 3bn	US\$ 0.8bn
High Growth Economies sales	from ~32% towards 50% of total sales	~40%*
Innovation sales	from ~12% to 20% of total sales	18%
EBA aspiration 2020		2013 H1 realization
EBA sales	>€ 1bn	~€ 75m

\* 40% in 2013 H1 is incl. pro forma sales Tortuga in Q1 2013



### Shift to higher quality earnings



Majority of sales are now to end-markets with lower macro-dependency

\* 2012 sales plus pro forma sales M&A



### On track with sustainability aspirations

Sustainability aspirations 2011 – 2015		H1 2013
Dow Jones Sustainability Index	Top ranking ("SAM Gold Class")	Gold class
Eco+ (innovation)	at least 80% of pipeline is ECO+	93%
Eco+ (running business)	from ~34% towards 50%	41%
Energy efficiency	20% improvement in 2020, compared to 2008	14% improvement
Greenhouse Gas Emissions	-25% (absolute) by 2020, compared to 2008	2012: 1% decrease
Employee Engagement Survey	towards High Performance Norm	2012: 72% favorable
Diversity and People+	to be updated	Diversity aspirations and People+ framework defined



### Near term focus

- Nutrition: delivering good organic growth and integration of acquisitions, realizing full synergy potential
- Pharma: partnership for DSM Pharmaceutical Products
- Performance Materials: improving profitability
- Polymer Intermediates: reducing exposure to merchant caprolactam markets
- Innovation Center: starting up the cellulosic bioethanol plant in Iowa and accelerating progress in Biomedical and Advanced Surfaces
- Across the company: capturing the full benefits
  of the Profit Improvement Program





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### Portfolio well aligned with global megatrends





### Our growth drivers are compelling

Innovation High Growth Acquisitions & Sustainability Economies Partnerships From From From From 'reaching out' 'building the responsibility portfolio transformation machine' to to to to business driver becoming doubling the growth truly global output





### The new DSM has become truly global



- DSM has broadened its international presence, capturing greater mega trend opportunities
- ~40% of DSM's total sales are now sold into High Growth Economies
- ~60% of DSM's growth since CSD 2010 announcement came from High Growth Economies
- Organizational moves from Europe to other regions (incl. BG HQs and Innovation/R&D centers)
- More than 30% of DSM employees live and work in High Growth Economies





### HGE strong enabler of growth ambitions

- Expand presence in High Growth Economies, including Africa
- Cultivate synergies of the 2011-2012 acquisitions which provide an enlarged product/service pipeline for HGE
- Continue to strengthen local R&D, innovation and application development capability
- Further tailor the product and services offering to local needs
- China sales towards ~ US\$ 3bn

### Sales to HGE: about 45% by 2015



#### 60%-70% of growth is expected to come from High Growth Economies





### Key themes driving sustainable innovations





More than 9 billion people in 2050









### Innovation underpins further growth & profit



- ✓ DSM well on track to deliver on its 20% Innovation sales target by 2015
- ✓ Innovation strongly contributes to DSM's sales growth and EBITDA growth with on average >5% higher gross margins
- Initially 4 new Emerging Business Areas were launched, of which 2 have been divested. 1 new EBA has been added, resulting in 3 exciting growth platforms
- ✓ DSM now in McKinsey's Top Quartile benchmark on best innovation practices





## Further intensifying (open) innovation



#### Innovation creating sustainable future value





### Three exciting growth platforms established

#### **DSM Biomedical**

Innovative materials that deliver more advanced clinical procedures and improved patient outcomes



Emerging Business Areas ambition for 2020: € 1bn in sales at high EBITDA margin

#### **DSM Bio-based Products & Services**



Advanced Enzymes and Yeast platforms: enabling Advanced Bio-Energy and Bio-based chemicals

#### **DSM Advanced Surfaces**

Smart coatings and surface technologies to boost performance in the solar industry



Attractive end-markets growing by more than double GDP growth





### **EBA - Biomedical materials**



#### Main achievements

- Kensey Nash acquisition & integration completed, boosting sales of the EBA
- Good progresss with Dyneema<sup>®</sup> Purity and PTG activities
- Actamax JV with DuPont established

#### Way forward

- Be the leading development partner for biomaterials and regenerative medicine in a highly attractive US\$ 30-50bn global market for materials for medical devices
- Achieve strong > 8% growth/yr by leveraging broadest technology & product portfolio to customers/partners

Improving life of 4.5 million people a day with medical products enabled by DSM technology





### **EBA - Bio-based Products and Services**



#### Strategy

- Demonstrate technologies through strategic investments and partnerships
- License integrated processes to bio-based entrepreneurs
- Sell bioconversion technology (yeasts and enzymes)

#### Reverdia - Bio-succinic acid / bio-based chemicals

- Accessible market for selected renewable chemicals expected to grow to ~US\$ 12bn by 2020
- JV with Roquette: Cassano plant for bio-succinic acid in full operation
- Commercial development progressing according to plan

#### POET - DSM JV for cellulosic bio-ethanol

- Market for cellulosic bio-ethanol is estimated at US\$ 50bn by 2022 of which US\$ 3-5bn for yeasts and enzymes\*
- Construction on track: start-up early 2014
- POET-DSM JV started licensing activities & significant market outreach
- R&D on enzymes and yeasts to further reduce cost and increase yield - progressing as planned



\* Derived from Hart's Global Energy Study



### New EBA - Solar - Advanced Surfaces







### Sustainability as a strong business driver



- Share of ECO+ solutions in running portfolio increased from ~34% (CSD 2010) to 43% in 2012
- ECO+ solutions offer clear ecological benefits
- Data from DSM Engineering Plastics and DSM Resins & Functional Materials show for their businesses (period 2010- H1 2013):
  - ✓ ECO+ sales have grown ~10%/year since 2010, while non-ECO+ sales slightly declined
  - ✓ ECO+ sales have ~10% higher contribution margins versus non-ECO+ sales

#### ECO+ solutions delivering higher growth and higher margins







### ECO+ as business driver in Animal Nutrition



- Livestock are responsible for methane emission, a GHG that causes global warming
- DSM is working on "CleanCow", a feed additive(s) solution:
  - 1. to reduce methane by 25-30% in vivo
  - 2. with the potential for better performance (increased milk yield, increased body weight gain, etc.)

#### "CleanCow": reducing methane emissions from cattle



### People+ as business driver in Human Nutrition



- ~200 million women worldwide suffer from osteoporosis
- Worldwide, an osteoporotic fracture occurs every 3 seconds, a vertebral fracture every 22 seconds
- Hip and vertebral fractures have "cost-intense" medical implications



- Optimized vitamin-D reduces number of fractures by 20%
- The US as example: through vitamin D supplementation among all women over 55 years with osteoporosis, up to US\$ 1.5 billion in savings per year could be realized, of which:
  - US\$ 1.9 billion in avoided healthcare costs (medical & therapeutical costs)\*
  - US\$ 350 million required in supplementation costs (including vitamin D)

#### People+ : Improving lives & reducing costs with nutritional solutions



\* Source: US Health Care Costs

# Acquisitions: attractive shareholder value

Acquisition	EV	NPV
Martek	€ 730m	€ 1.4bn
ONC	€ 420m	€ 730m
Fortitech	€ 495m	€ 855m
Tortuga	€ 465m	€ 843m

- DSM acquired for €2.8bn in total, at an average EV/EBITDA multiple < 9</li>
- Exciting synergies achieved at 'Martek':
  - Martek sales grew by ~15%/year since acquisition
  - Combination of Martek and ONC (algae-based and fish-oil based products) has created a strong leader in nutritional lipids and has strong synergies with the 'existing' DSM activities
  - Integration of the other acquisitions: fully on track
- In coming 1-2 years: full focus on integration, synergies and operational performance





### DSM's organizational roadmap for development



### Exploring new roads to our customers

• Use of Social Media:



• Explore B2C capabilities and increase brand value:



#### New business models enablers to unlock new markets



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### Updated 2015 targets

#### Profit targets 2015

- EBITDA margin (%)
- ROCE

#### Sales target 2015

- Organic sales growth
- China sales
- High Growth Economies sales
- Innovation sales
- ECO+ sales

#### Cluster targets 2015

- Nutrition
- Performance Materials

14% - 15% 11% - 12%

5%-7% annually towards US\$ 3bn about 45% of total sales 20% of total sales towards 50% of total sales

EBITDA margin 20% - 23% Sales growth GDP+2% EBITDA margin 13% - 15% Sales growth at double GDP



### Nutrition: continued value growth

#### Targets:

- EBITDA margin 20% 23%
- Sales growth GDP+ 2%

#### Key focus until 2015:

- Drive continued organic growth:
  - Macro trends
  - Unique business model (with a broad, deep and global portfolio)
  - Additional focus on HGEs
  - Expand in B2C / i-Health
- Selected investments in existing portfolio:
  - Product forms, premix facilities
  - Vitamin B6, Omega-3
  - Natural Carotenoids
  - Cultures & Enzymes, Savory flavors
- Assessing further M&A to strengthen position further:
  - Global product portfolio
  - Local solutions and customer access







### Unique business model: global & local capabilities





### Performance Materials: Upgrade portfolio

#### Via differentiated strategy:

<u>Accelerate</u>:

Accelerate growth in highly innovative markets to fully benefit from megatrends

- <u>Strengthen</u>: Combine sustainable innovation sales growth with margin optimization programs
- <u>Restructure</u>: Composite Resins





### Drivers to improve performance

Improve performance by upgrading the portfolio, leveraging 3 drivers:

- 1. Megatrends
- 2. Differentiated strategies to capture profitable growth
- 3. Profit Improvement Program

Targets Performance Materials Cluster:

- EBITDA margin 13% 15%
- Sales growth at double GDP



Megat**rends** 

PIP

Strategy

### Pharma & Polymer Intermediates

#### Pharma

Key focus until 2015:

- For anti-infectives business
  - Continue to strengthen the core business
  - Continue to upgrade the portfolio attractiveness
  - Downstream integration into formulations and finished dosages
- For DSM Pharmaceutical Products:
  - Form a partnership that creates a CMO industry leader
  - Meanwhile, continue own strength business improvement

#### **Polymer Intermediates**

Key focus until 2015:

- Explore opportunities to reduce the exposure to the merchant caprolactam markets
- Reduce costs
- Secure low cost / high quality caprolactam to DSM Engineering Plastics to support its growth
- Actively maintain the Acrylonitrile business

#### Partnerships key to success

#### Reduce merchant exposure



### Preparing for the next phase of growth

For the period 2013 - 2015, we will strongly focus on:

- 1) Completing the strategic actions set in 2010
- 2) Improving operational performance to align returns and margins profile with transformed business portfolio

This will mean:

1) Continued value growth in Nutrition

- Integrate the acquisitions and realize full potential of synergies
- Explore further growth opportunities
- 2) Upgrade the portfolio of Performance Materials
  - Accelerate growth
  - Strengthen performance
  - Restructure Composite Resins
- 3) Execution of the strategic actions in Pharma and PI
- 4) Expanding presence in High Growth Economies, including Africa
- 5) Further building the Emerging Business Areas and gear-up innovation and sustainability efforts
- 6) Execution of the Profit Improvement Program



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