

# DSM in motion: *driving focused growth*

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The English language version of this document is leading.

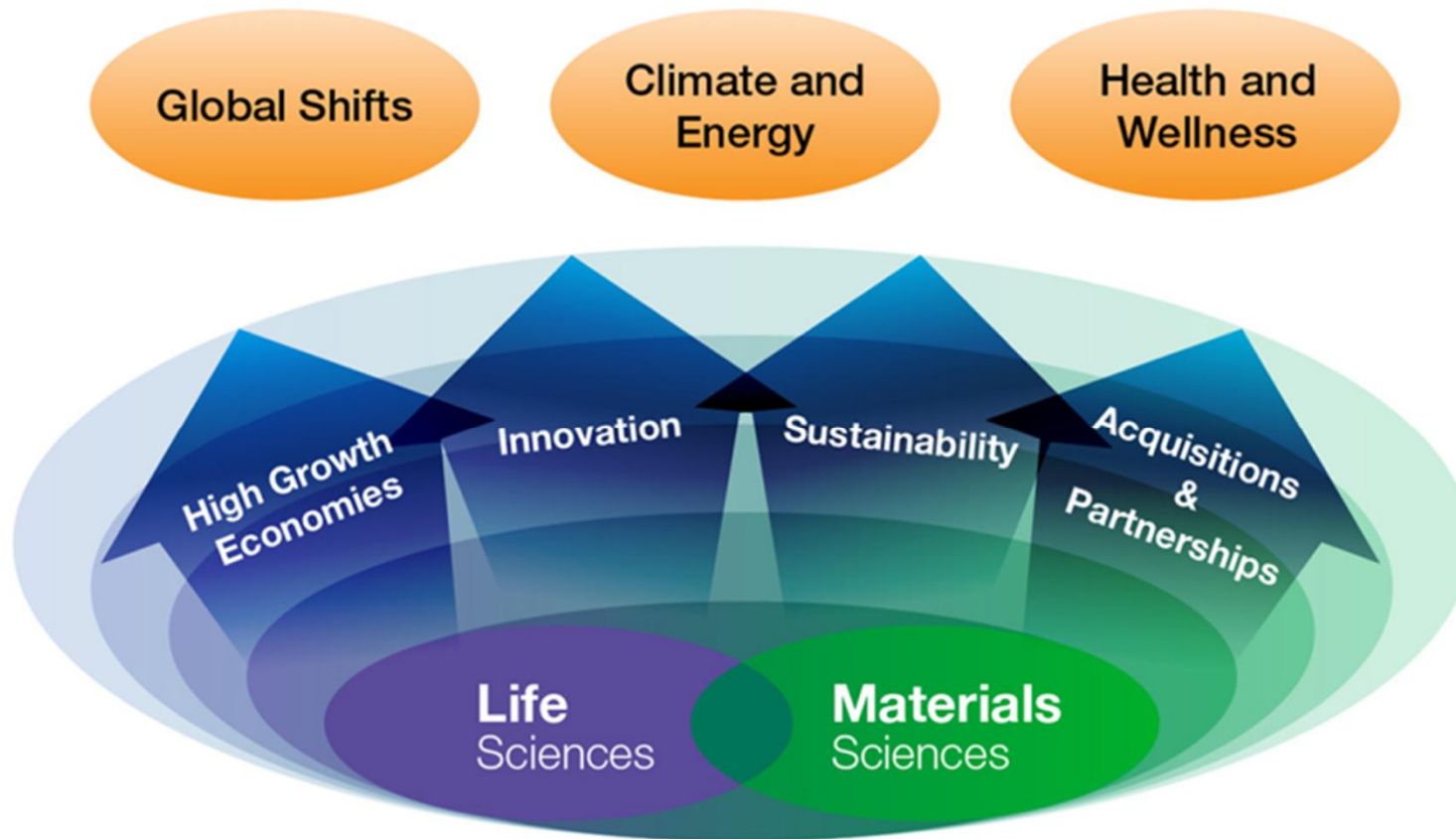
A more comprehensive discussion of the risk factors affecting DSM's business can be found in the company's latest Annual Report, which can be found on the company's corporate website, [www.dsm.com](http://www.dsm.com)



## Overview

- Building a higher value business
- Achievements 2010-2012
- Confidence in targets

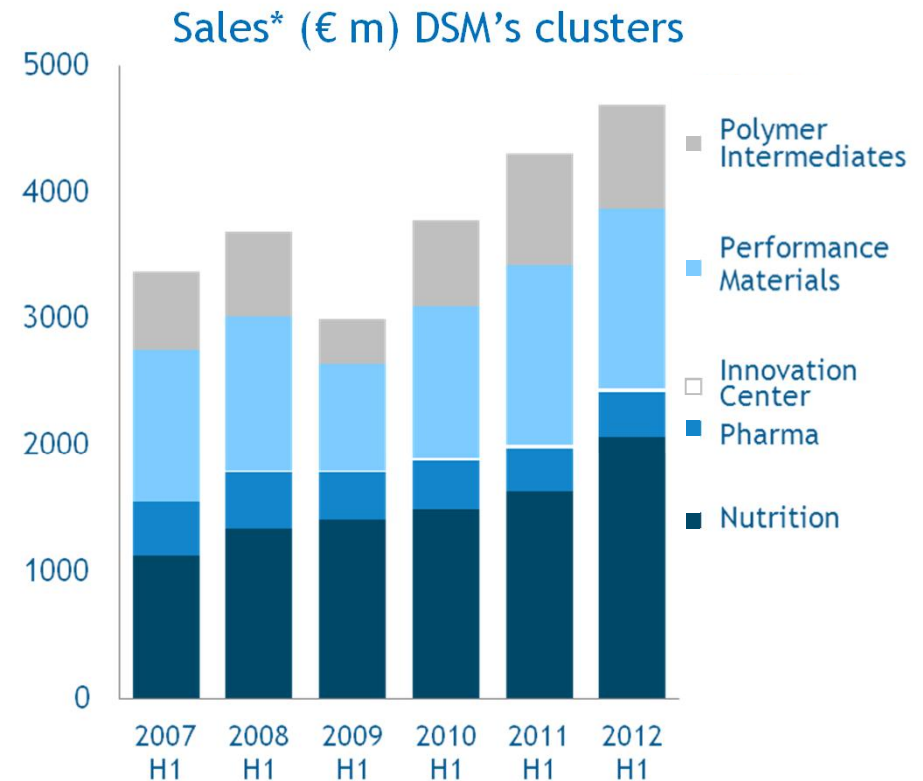
# DSM in motion: *driving focused growth*





# Building a higher value business ...

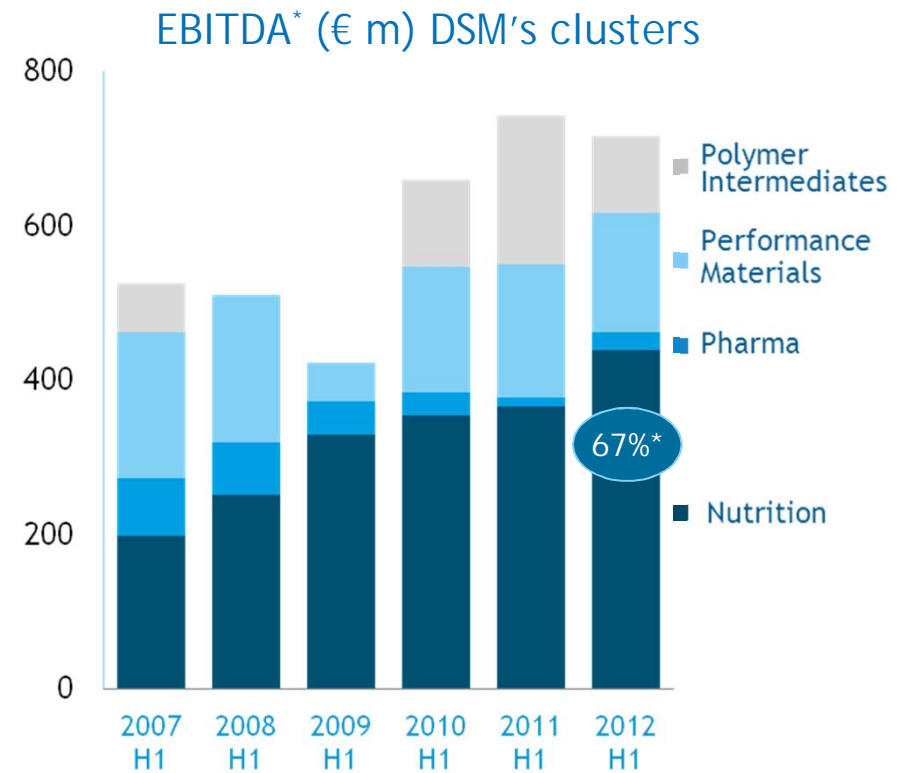
- Portfolio transformed; significant presence in Nutrition
- Further progress Pharma; improvements & partnership discussions
- Solid development Performance Materials
- Global, low cost leadership position Polymer Intermediates
- Business set to realize 5-7% growth; supported by global presence and innovation pipeline
- Developing market leading positions Bio-based Products & Services and Biomedical Materials



\* 2012 H1 including pro-forma sales  
Kensley Nash, ONC and Tortuga

## ...well positioned for further growth

- 67%\* EBITDA 2012 H1 from Nutrition
- Synergistic acquisitions adding value
- Strong balance sheet provides ability to pursue further growth opportunities

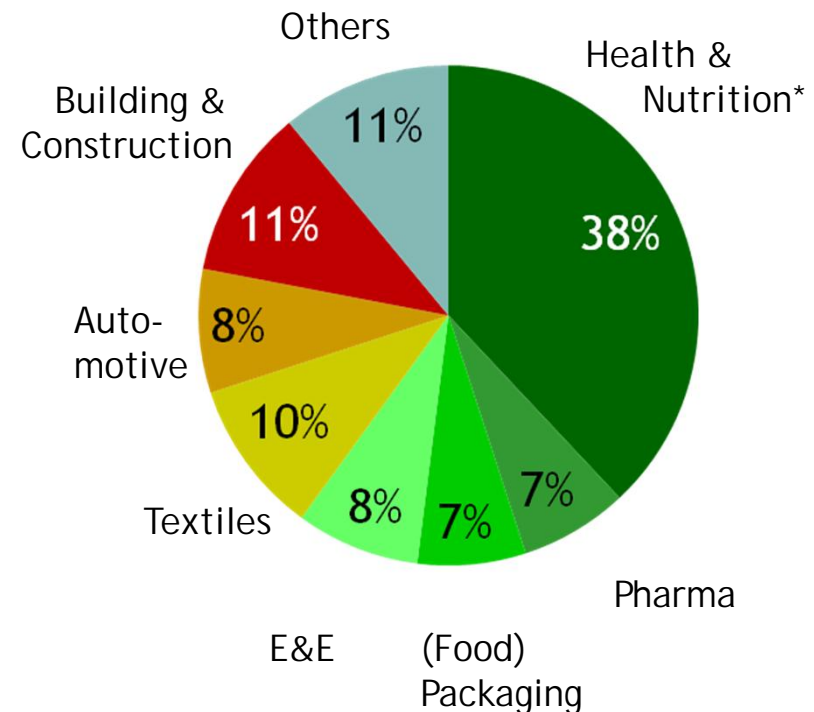


\* 2012 H1 including pro-forma EBITDA  
Kensley Nash, ONC and Tortuga

## ...shifting towards more resilient end-markets

- Growing majority of portfolio geared towards attractive end-markets with low GDP sensitivity
- Acquisitions such as Kensey Nash, Ocean Nutrition Canada and Tortuga further improve resilience of portfolio
- Downward risk for DSM is limited, as most sensitive end-market (building & construction) is down since 2009

Net sales 2011 by end-market

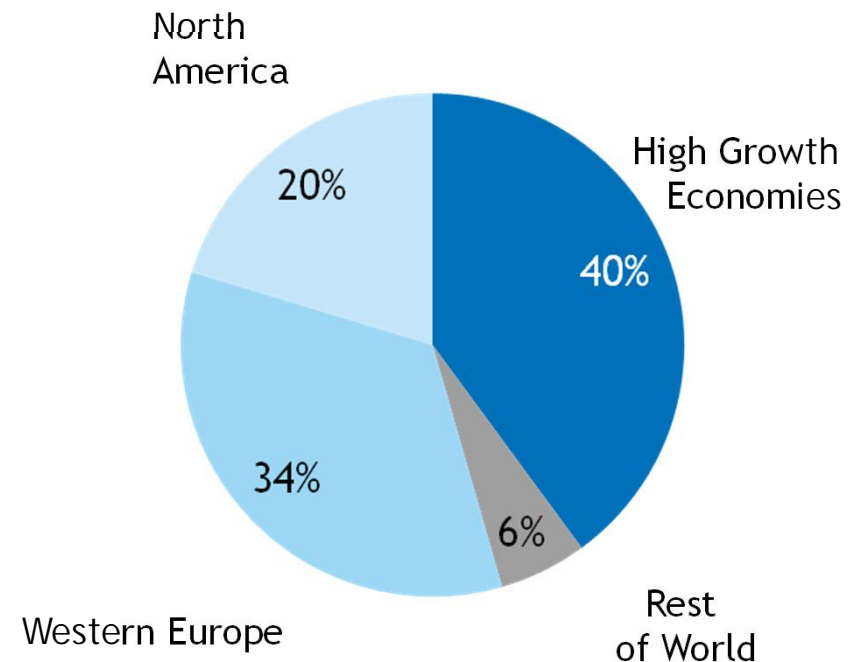


\* Health & Nutrition includes Food, Feed and Personal Care

## ...in a truly global context

- Better international spread, capturing mega trend opportunities
- Moving towards 50% sales from High Growth Economies by 2015
- On target to double sales in China to > US\$ 3bn by 2015 (2012 H1: US\$ 0.9bn - 15% of DSM sales)
- Organizational moves from Europe to other regions (incl. BG HQs and Innovation/R&D centers)

2012 H1\* Sales



\* 2012 H1 DSM sales plus pro-forma H1 sales of Kensey Nash, ONC and Tortuga



# Overview

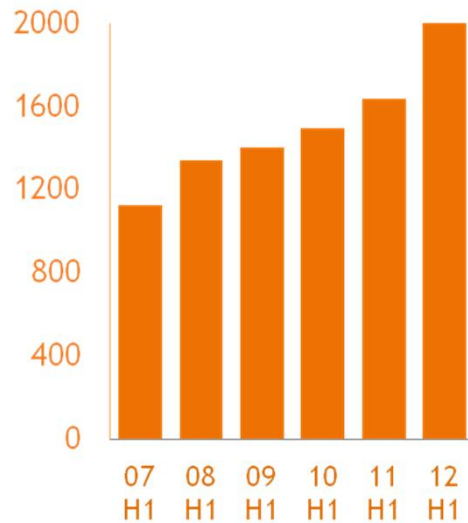
- Building a higher value business
- [Achievements 2010 - 2012](#)
- Confidence in targets

# Nutrition: continued sales & EBITDA growth

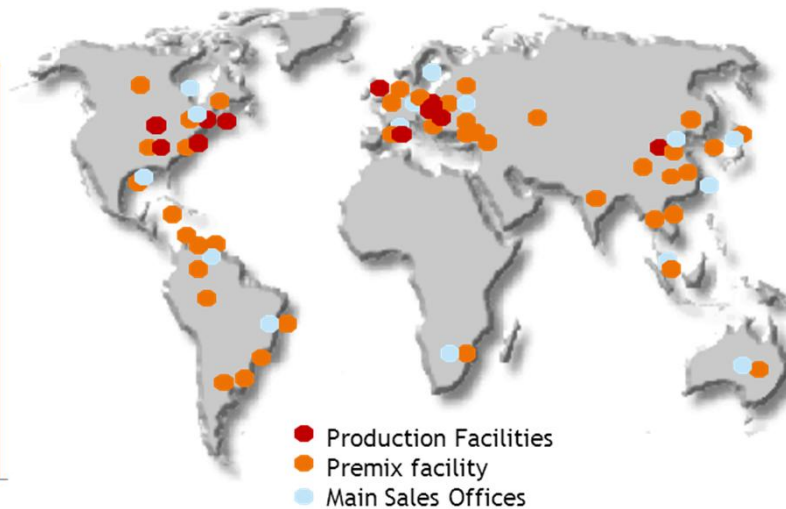
Strong growth in Nutrition, organically and through € 1.8bn acquisitions since 2010:

- broadening *portfolio*
- extension *value chain*
- increased *global presence*

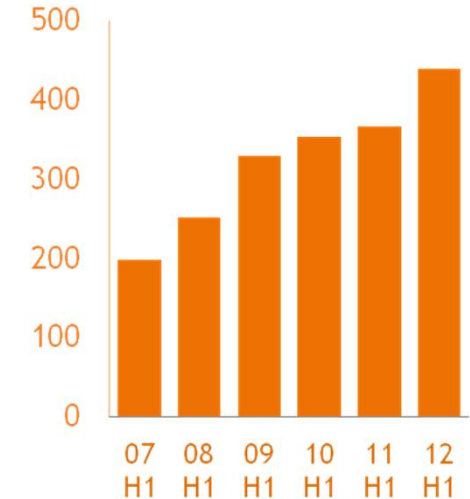
Sales development (€ m)\*



DSM's Global Presence



EBITDA development (€ m)\*

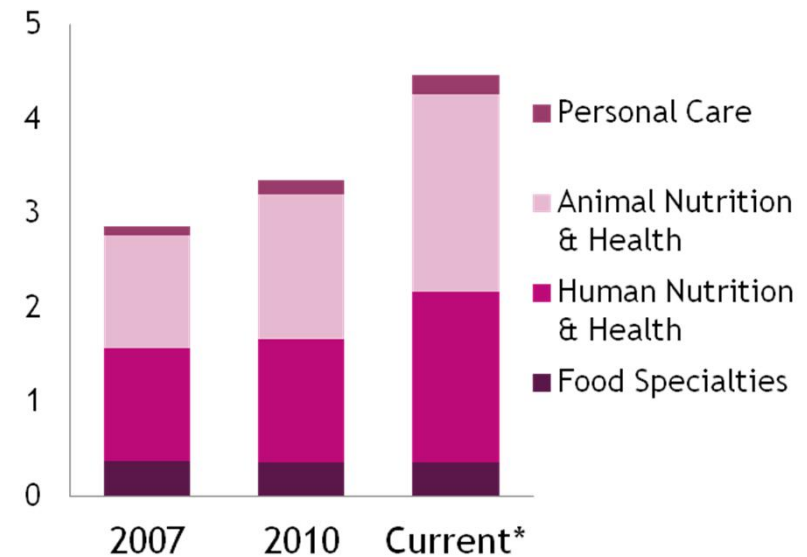


\* 2012 H1 Sales & EBITDA including pro-forma sales ONC & Tortuga

# Nutrition: expanding portfolio & geo-spread

- Including Ocean Nutrition Canada and Tortuga, Nutrition businesses will have:
  - ~ € 4.4bn in revenues
  - 20-23% EBITDA
  - ~ 67% of total DSM EBITDA(\*)
  - 55 pre-mix plants
- DSM created an unique position in nutritional ingredients/supplements markets

Expansion in food & feed (Sales € bn)



\* Two times 2012 H1 plus pro-forma sales ONC & Tortuga

# Nutrition: acquisitions fuel further growth

Acquisition	Portfolio	Key Region**	Sales	Growth***	EBITDA
Martek	Omega 3 DHA Omega 6 ARA	N-AM	~ € 350m*	> 10%	~ € 100m
ONC	Omega 3 EPA Omega 3 DHA	N-AM	~ € 150m	> 10%	~ € 45m
Tortuga	Organic Trace Minerals, Phosphorus	L-AM	~ € 385m	> 10%	~ € 60m
Verenium Cargill bio**** Vitatene Microbia	Enzymes Cultures & Enzymes Natural Carotenoids Natural Carotenoids	EUR/N-AM	~ € 80m	> 10%	not disclosed
Total			€ 950-€ 1000m	> 10%	> € 200m

\* Martek sales after deduction of internal DSM supplies

\*\* All products are introduced/leveraged globally

\*\*\* 5 yr forward sales CAGR

\*\*\*\* Possible acquisition of Cargill's cultures and enzymes business



## ...creating attractive shareholder value

Acquisition	EV	EBITDA	EBITDA /Sales	EV/ EBITDA'12	Full NPV*	FCF Yield (year 1)
Martek	~ € 730m	~ € 100m	~ 30%	7.3	€ 1.4bn	~7%
ONC	~ € 420m	~ € 45m	~ 30%	9.0	€ 850m	~ 8%
Tortuga	~ € 465m	~ € 60m	~ 16%	7.8	not disclosed	~ 8-9%
Other						
<b>Total</b>	<b>~ € 1.8bn</b>	<b>&gt; € 200m</b>	<b>~ 23%</b>	<b>&lt; 8</b>		

Acquisitions at conservative multiples provide full strategic & operational fit, creating profitable growth and shareholder value

\* DSM base case including synergies



# DSM paying conservative multiples in Nutrition

## DSM's acquisitions in Nutrition

- Martek 7.3
- ONC 9.0
- Tortuga 7.8

Total EV/EBITDA < 8

## Nutrition - Industry References\*

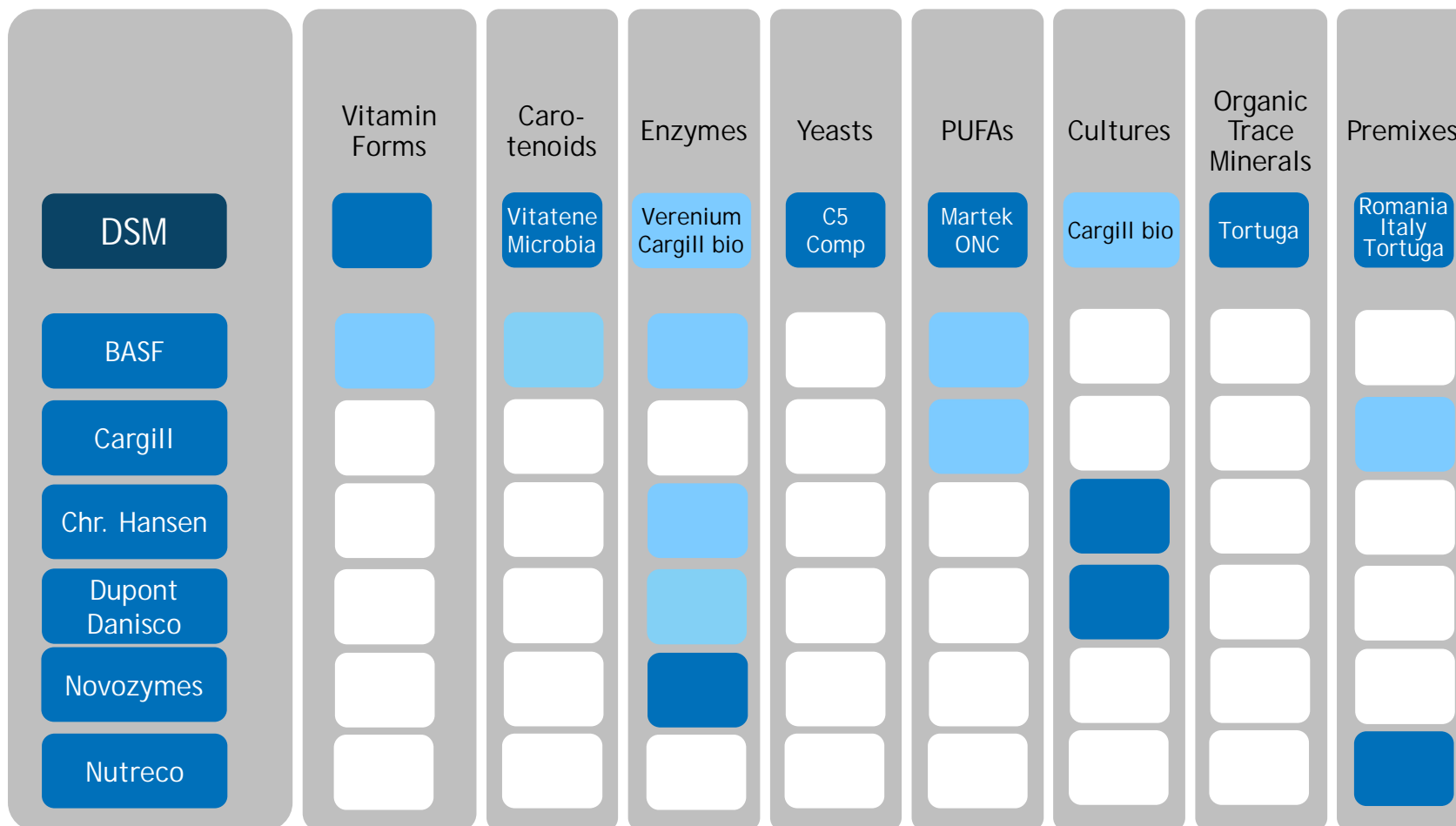
- Chr.Hansen - IPO 12.6
- Cognis 9.6
- Danisco 14.9
- Provimi 10.3

Total EV/EBITDA ~ 9-15

\* Multiple based on published EV and last actual reported EBITDA before acquisition



# Nutrition: unique portfolio has been created

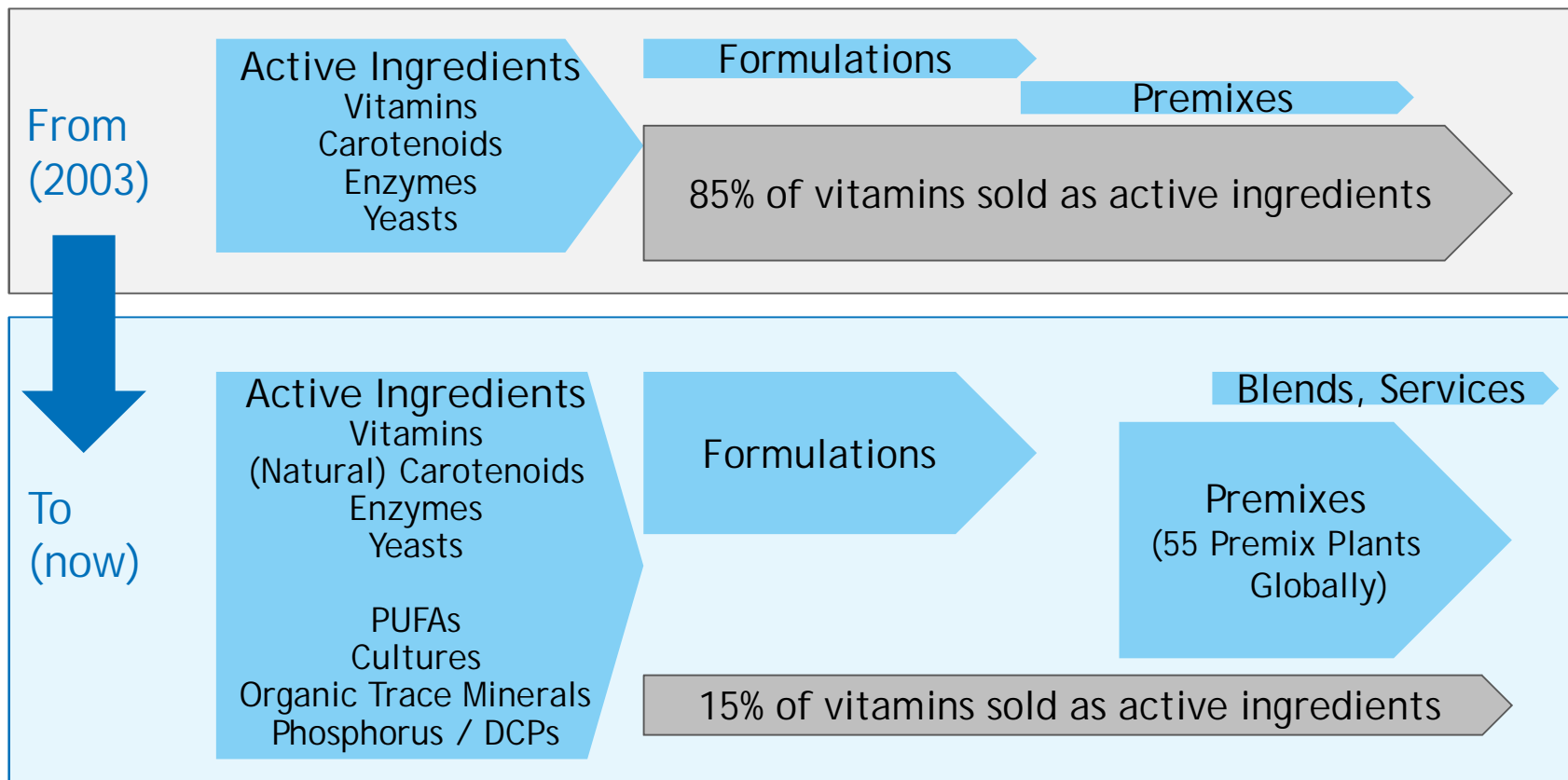


Leading position



Medium sized position

# Further enhancing our value chain positions



- Value acquired active ingredients leveraged via DSM's value chain and global network
- In current portfolio, <45% of sales is vitamin / carotenoids related

# Nutritional Lipids: a new growth platform

2012 Sales: ~ € 500m\*  
Growth: double digit  
2012 EBITDA: > € 145m\*



Omega-3 (DHA) & Omega-6 (ARA)  
algae derived



Omega-3 (EPA/DHA)  
Fish derived

DSM Nutritional Lipids: market leader in PUFAs;  
strong growth in Infant Nutrition - Dietary Supplements - Food & Beverages

\* Including i-Health™

# Developing leading positions in food specialties

2012 Sales: > € 400m (DSM Food Specialties, incl. Verenium & Cargill bio-products)  
Growth: double digit



Oilseed processing enzymes  
Food enzymes licenses; Biodiversity libraries

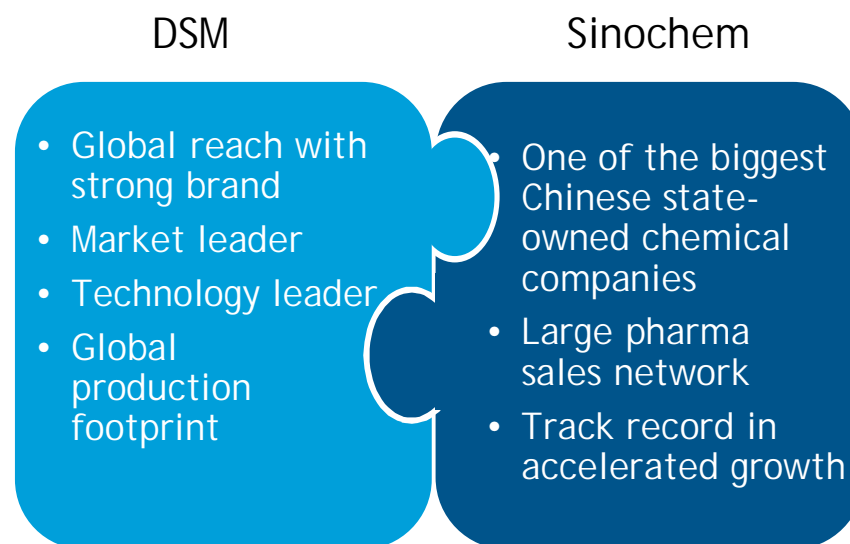


Cultures & Enzymes

Expanding in highly attractive > € 1bn  
food enzymes & cultures markets

# Making progress in anti-infectives

- DSM Sinochem Pharmaceuticals JV (anti-infectives) making progress
- 6-APA plant being on stream
- Enzymatic biotechnology plant advanced antibiotics (2<sup>nd</sup> generation SSC) under construction in China (2013)
- Product differentiation pipeline expanded:
  - Generic API, Atorva, successfully launched. European registration approvals received



# Development DSM Pharmaceutical Products

- Partnership strategy DSM Pharmaceutical Products being pursued
- Own strength initiatives ongoing; including further restructurings
- Organic growth improving: several new CMO agreements (incl. pipeline)
- Good progress in DSM Biologics
  - Bio-pharma plant in Brisbane (Australia) under construction (startup in 2013, first manufacturing contracts signed)
  - US patents granted for high density technology (XD™ )

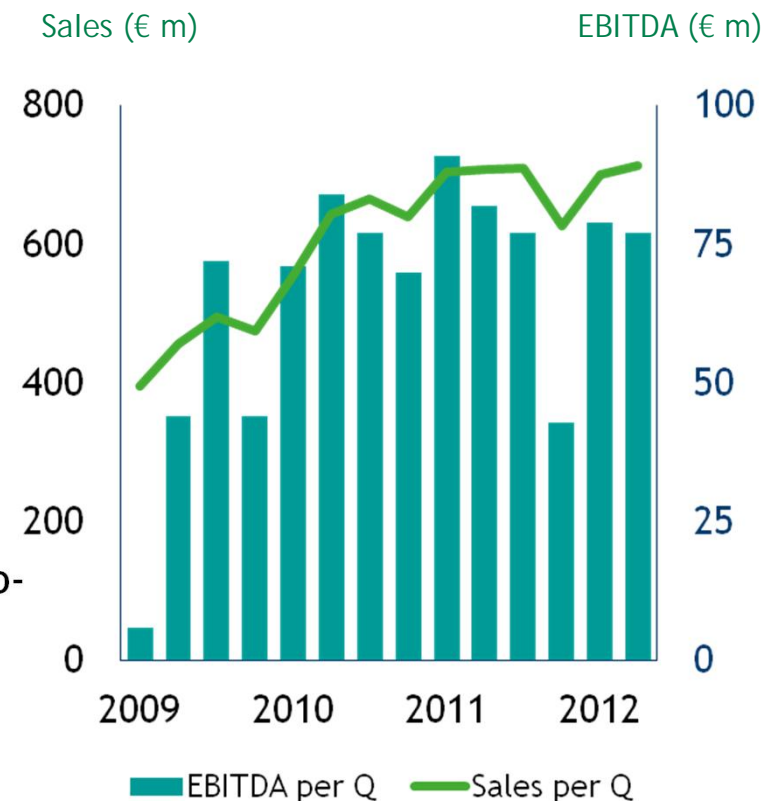




# Strong market positions Performance Materials

- Sales/market share growth attractive markets
- Shift to higher-added value via innovative, sustainable (green/Eco+) solutions
- Accelerated growth High Growth Economies a/o via M&A (AGI/Taiwan, ICD/China and KuibyshevAzot/Russia)
- Active margin and cost management to grow EBITDA margin to 17% in 2015
- Portfolio set to outperform once global macro-economic conditions improve

## Continued sales growth

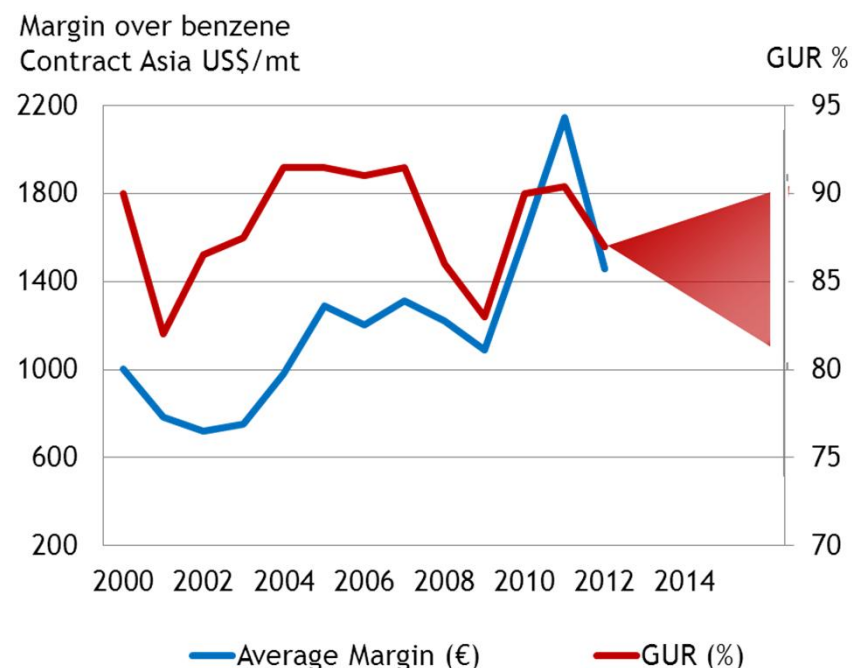


# Strong position Caprolactam via cost-leadership

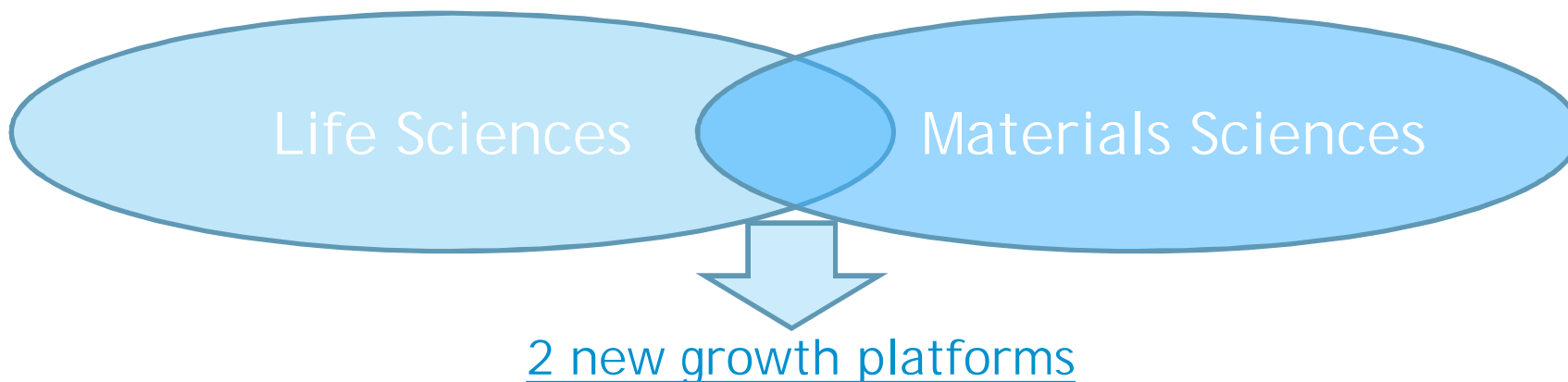
- Exceptional returns 2010/11 due to caprolactam supply shortages, driven by high growth in China
- High benzene prices, combined with weak end-use market caused a sharp deterioration of CPL margins in Q2' 12
- New capacities in China will bring the GUR to 85% - 90% in period 2012-2014

## What to expect

- Due to favorable cost position, DSM is well placed to show good average EBITDA margin over the cycle
- Opportunities to reduce exposure to the merchant CPL markets will be pursued



# Two exciting new growth platforms established



## *DSM Bio-based Products & Services*

Bio-succinic acid  
Cellulosic bio-ethanol  
Bio-based adipic acid  
...

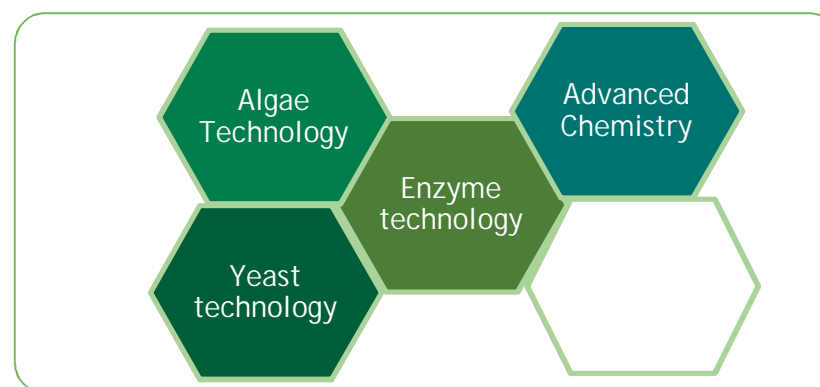


## *DSM Biomedical*

Biomedical coatings  
Dyneema Purity<sup>®</sup>  
Polyurethane Silicone  
Hydrogels (PTG)  
Kensey Nash  
...

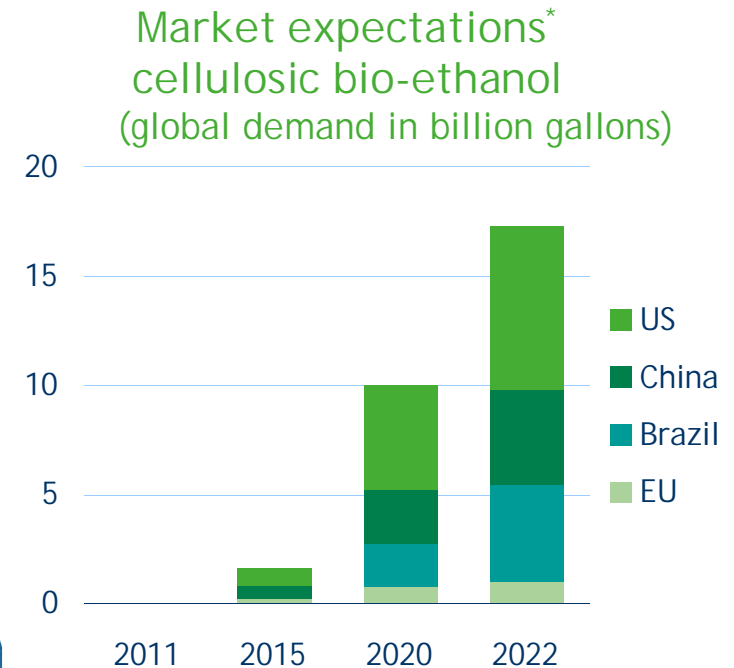
# Frontrunner in bio-based materials and fuels

- Exciting partnerships established
  - *Roquette*: bio-succinic acid (10kt; start-up end '12)
  - *POET*: cellulosic bio-ethanol (~25 m gallon; start up end '13/early '14) (capex ~ US\$ 250m)
  - *BP*: algae-based bio-diesel
- Leading technology position:
  - Yeasts (incl. acquisition C5 Yeast Co)
  - Enzymes
  - Algae
- Other renewable building blocks, such as adipic acid



# Cellulosic bio-ethanol: very attractive opportunity

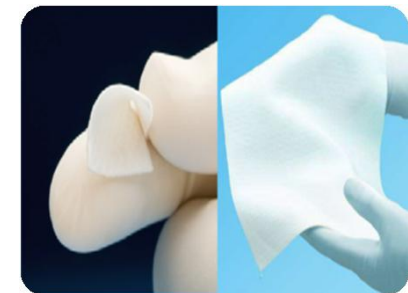
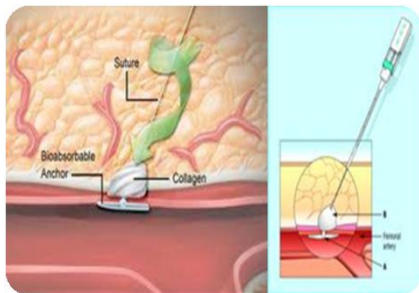
- Global cellulosic bio-ethanol market expected to grow to 18bn gallons in 2022 (~ US\$ 50bn)
- Resulting in market value for enzymes & yeasts of ~ US\$ 3-5bn in 2022
- US is leading, forecast ~ 7.5bn gallons of cellulosic bio-ethanol by 2022
- By 2022 about 150-200 plants to produce cellulosic bio-ethanol from corn crop residue could be required in the US



\* derived from Hart 's Global Energy Study

# Creating a leading biomedical business

- DSM Biomedical has shown 19% CAGR over the last 3 years, building on PTG
- In 2011, DSM and DuPont established the Actamax JV, which develops products for adhesion prevention, tissue sealing, hemostasis, and other surgical applications
- The acquisition of Kensey Nash in June 2012, has made DSM Biomedical a leading medical device materials supplier active in:
  - bio-passive materials: medical coatings & polymers
  - bio-active materials: resorbable polymers and drug delivery
  - bio-interactive materials: therapeutic materials and regenerative medicine
- Kensey Nash will roughly double sales of Innovation Center to ~ € 130m annualized





# Kensey Nash: leader in regenerative medicine

## Revenues\*

- 2010/11: US\$ 72m;  
Products: US\$ 46m, Royalties: US\$ 25.6m;  
EBITDA: US\$ 29m (40% margin)

## Customers

- Leading medical device companies  
incl. Synthes, Stryker, Arthrex, St. Jude &  
Medtronic

## 325 employees

- Of whom 95 in R&D & Technical positions

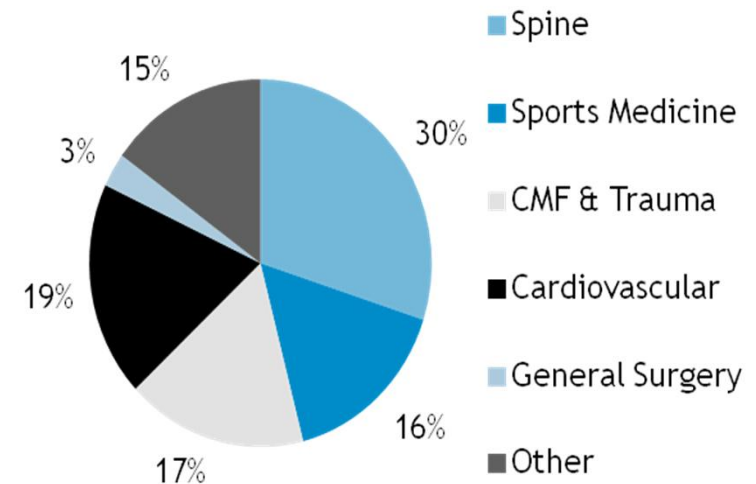
## Core capabilities

- Biomaterials products for tissue repair and  
regeneration
- Innovative devices & tooling for delivery  
of biomaterials and cardiovascular  
procedures

## Guidance (Kensey Nash Issued March 2012)

Year*	Revenues	EBITDA
2011/12	US\$ 88.5m	US\$ 30m
2012/13	US\$ 100m	US\$ 36m

## Revenue distribution (H1 2011/12\*, US\$43m)



\* Note: Fiscal year July 1- June 30

# Overview

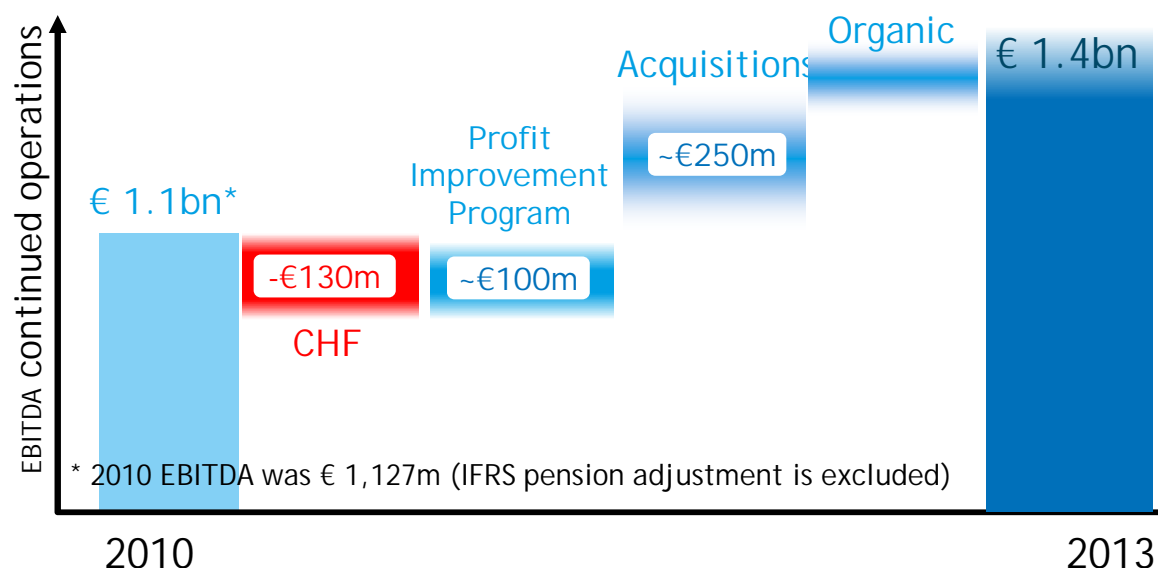
- Building a higher value business
- Achievements 2010-2012
- Confidence in targets

## Well positioned in current economic climate

- The global macro-economic outlook remains uncertain.  
However, DSM is well positioned to secure its growth and profitability:
  - our business portfolio is far more robust with Nutrition EBITDA (including pro-forma EBITDA of acquisitions) ~ 67% of total EBITDA (2012 H1)
  - Materials Sciences highly leveraged to economic recovery as some end-markets like B&C are still running at levels similar to lowest point of the economic crisis
- Broader geographic spread with a significant and growing presence in N-America and High Growth Economies
- DSM has a strong balance sheet: set to maintain single A credit ratings
- We have an embedded efficiency culture, continuously focusing on further cost reductions and efficiency improvements

# 2013 EBITDA target confirmed

Profitability Targets	Target 2013	Current Expectation
• EBITDA	€ 1.4 - € 1.6bn	~ € 1.4bn
• ROCE	> 15%	< 15%

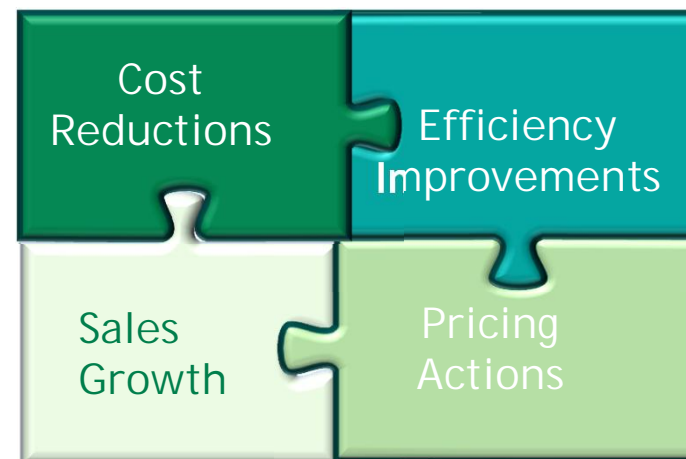


- Assuming no further deterioration of economic conditions, and based on its strategy, financial strength and additional actions taken, DSM will move towards the 2013 strategic targets
- The ROCE target is unlikely to be achieved due to accelerated acquisitions and deterioration in global macro-economic conditions

# 2013 Targets: Profit Improvement Program

Profit Improvement Program	2013	2014
• Benefits of 2012 plan	~ € 75m	~€ 150m

- Company-wide program: main focus on costs & efficiency
- Expected structural annual benefits: € 150m
- Reduction global headcount: ~1000 positions
- All in addition to the previously announced restructuring at DSM Resins (€ 25-30m EBITDA by 2013)
- Committed to seeking additional efficiencies



# Well on track to achieve our 2015 sales targets

Sales targets 2015	Target	Current Expectation
• Organic sales growth	5%-7% annually	✓
• China Sales	from US\$ 1.5bn to more than double > US\$ 3bn	✓
• High Growth Economies	from ~32% towards 50% of total sales	✓
• Innovation sales	from ~12% to 20% of total sales	✓



# 2015 Cluster aspirations confirmed

Cluster	Aspirations 2015	Confirmed
• Nutrition	Sales growth 2% above GDP EBITDA margin >20% towards 23%	✓ ✓
• Pharma	Leveraging partnership for growth EBITDA towards 15% - 20% range	✓ ✓
• Performance Materials	Sales growth at double GDP level EBITDA margin > 17%	✓ ✓
• Polymer Intermediates	Further improve cost position EBITDA margin ~ 14% (on average over the cycle)	✓ ✓

# Good progress toward sustainability aspirations

Sustainability aspirations 2011 - 2015		2011	On track
Dow Jones Sustainability	Index top ranking ("Gold")	No 1 Chemical sector	✓
ECO+ (innovation pipeline)	at least 80% of pipeline is ECO+	94%	✓
ECO+ (running business)	from ~34% towards 50%	41%	✓
Energy efficiency	20% improvement (2008 till 2020)	13%*	✓
Greenhouse Gas Emissions	25% reduction from 2008 till 2020	8% increase*	x
Engagement Survey	towards High Performance Norm	71% Favorable**	✓

\* Cumulative improvement from 2008 till FY 2011; in 2012 a major improvement re GHG will be realized

\*\* Measured at end of 2011, 8% below High Performance Norm

## 2012 Outlook confirmed

- In Nutrition, EBITDA is now expected to be clearly above 2011. Ocean Nutrition Canada will add about € 20 million EBITDA for remainder of the year
- Pharma is expected to deliver a slightly improved EBITDA, despite the 50% deconsolidation of the anti-infectives business
- Full year EBITDA for Performance Materials is expected to be in line with 2011, despite the weak market conditions for caprolactam
- For Polymer Intermediates, EBITDA is expected to be clearly below the exceptional result in 2011
  
- Overall, DSM is cautious with regard to the economic outlook for the remainder of 2012. DSM's expectations for the year, as expressed at its Q2 2012 results, have not changed

# Wrap-up

- DSM has been transformed into a different company since 2010
- DSM has a higher quality of earnings, with a substantial part of earnings coming from a highly resilient, high margin, growing nutrition business
- Materials Sciences highly leveraged to economic recovery
- We have made good progress along our selected growth drivers:
  - more international/better geo-spread and presence (eg HGEs)
  - more sustainable
  - an impressive innovation pipeline & new growth platforms
  - executed growth enhancing synergistic acquisitions
- Strong balance sheet allows continued pursuit of growth enhancing acquisitions

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