Royal DSM N.V. Presentations, Vaalsbroek 2011

Life Sciences and Materials Sciences **DSM Capital Markets Days**



HEALTH · NUTRITION · MATERIALS

DSM – Bright Science. Brighter Living.™

Royal DSM N.V. is a global science-based company active in health, nutrition and materials. By connecting its unique competences in Life Sciences and Materials Sciences DSM is driving economic prosperity, environmental progress and social advances to create sustainable value for all stakeholders. DSM delivers innovative solutions that nourish, protect and improve performance in global markets such as food and dietary supplements, personal care, feed, pharmaceuticals, medical devices, automotive, paints, electrical and electronics, life protection, alternative energy and bio-based materials. DSM's 22,000 employees deliver annual net sales of around \notin 9 billion. The company is listed on NYSE Euronext. More information can be found at www.dsm.com.







- DSM uses its Bright Science to create Brighter Living for people today and for generations to come. Based on a deep understanding of key global trends which are driving societies, markets and customers, DSM creates solutions to some of the world's great challenges - and by doing so, makes both itself and its customers more successful.
- DSM's philosophy is that its continuing success will be driven by creating value for its stakeholders, being its customers, employees, shareholders and society. DSM innovates in ways that allow its customers to provide better solutions for end-users and society, so that they make DSM their supplier of choice. DSM's employees can share in the success and fulfilment which this brings. Shareholders will benefit from the value created through stronger growth and higher profitability.
- In this way:
 - DSM's customers derive value from being able to offer end-users improved products;
 - DSM's employees feel engaged and motivated both through the contribution they make to an improved world and the success this creates for the company in which they work;

- Society which means both communities and the planet benefit from the impact of more sustainable, longer-lasting, safer, healthier and more nutritious alternatives;
- DSM and its shareholders derive value from stronger growth and higher profitability.



- DSM's business is built around finding innovative and sustainable solutions to some of the world's most important challenges. These solutions are based on a clear understanding of the key global societal trends and their consequences of them for consumers and societies.
- DSM sees three core global trends that are most profoundly affecting its customer and end-user markets:
 - Global shifts the accelerating transfer of wealth from West to East and North to South is the basis of a whole series of global shifts which are creating a more urban, more connected and more prosperous world - but with huge resource and cultural challenges as a result.
 - Health and wellness the impact of a growing, ageing population is being felt across the world, but in remarkably different ways the drive to improve wellbeing as well as increase lifespan in the developed world and among the growing middle-class of the high growth economies, contrasts with the continuing struggle to provide effective nutrition and feed the population in less well off parts of our world.

- Climate change & energy usage the accepted reality that our fossil-fuel age is causing considerable change to our climate is driving the search for alternative energy sources as well as efforts to reduce energy consumption in a multitude of ways.
- DSM's focus is to ensure that it provides its customers the innovation and sustainable products they need to meet these societal needs. By making its customers more successful, DSM becomes more successful too.



- "DSM in motion: *driving focused growth*" our strategy announced in 2010 - marked the shift from an era of intensive portfolio transformation to a strategy for the coming years of maximizing sustainable and profitable growth of 'the new DSM'. The current businesses compose the new core of DSM in Life Sciences and Materials Sciences.
- DSM's focus on Life Sciences (Nutrition and Pharma) and Materials Sciences (Performance Materials and Polymer Intermediates) is fueled by three societal trends: Global Shifts, Climate and Energy and Health and Wellness. DSM aims to meet the unmet needs resulting from these societal trends with innovative and sustainable solutions.
- It is DSM's ambition to fully leverage the unique opportunities in Life Sciences and Materials Sciences, using four growth drivers (High Growth Economies, Innovation, Sustainability and Acquisitions & Partnerships) and bringing all four drivers to the next level.
- With its transformation completed, DSM is now focusing on, and accelerating, growth.

_Profit	ability targets 2013	H1 2011
EBITDA	€ 1.4 - 1.6bn*	€ 664
ROCE	>15%	>15% incl Marte
Sales targets 2015		H1 2011
Organic sales growth	5% - 7% annually	12
China sales	from US\$ 1.5bn to >US\$ 3bn	US\$ 947r
High Growth Economies	from ~32% towards 50% of total sales	37
Innovation	from ~12% to 20% of total sales	18
EBA aspiration 2020		H1 2011
EBA sales	>€ 1bn	Good progres
		(esp. BP&S, Biomedica

- DSM has set itself ambitious targets for this new strategy period. We have high aspirations, based on an assessment of the opportunities, particularly in high growth economies, innovation, sustainability and acquisitions and partnerships, which lead us to believe we can accelerate growth and increase profitability.
- For 2013 two profitability targets have been set: an increase in EBITDA to a level of € 1.4 -1.6 billion and an increase in Return on Capital Employed (ROCE) to more than 15%. In 2010 EBITDA was € 1,127 million (if IFRS pension adjustment is excluded). EBITDA in H1 2011 improved considerably compared to H1 2010, with ROCE including Martek above target. This demonstrates that we are well on track to achieve these targets.
- In terms of the sales targets established for this strategy period, DSM comfortably exceeded the organic sales growth target, and demonstrated solid growth in sales in China. Indeed, DSM saw a sharp growth in sales in high growth economies as a percentage of overall sales, moving us towards our announced goal of 50% of total net sales. Finally, innovation sales measured as sales from innovative products and

applications introduced in the last five years reached 18%, close to our target of approximately 20% of total net sales.

 Good progress has been made in our Emerging Business Areas (EBAs) to achieve the DSM aspiration of combined sales of more than € 1 billion by 2020. The most advanced EBAs are DSM Biomedical and DSM Bio-based Products and Services.

Good progress towards sustainability aspirations

Sustainability aspirations 2011 - 2015		H1 2011
Dow Jones Sustainability	Index top ranking ("Gold")	No 1
ECO+ (innovation pipeline)	at least 80% of pipeline is ECO+	87%
ECO+ (running business)	from ~34% towards 50%	~40%
Energy efficiency	20% improvement from 2008 till 2020	9%*
Greenhouse Gas Emissions	25% reduction from 2008 till 2020	End 2011
Engagement Survey	towards High Performance Norm	Slightly below**
Diversity & People+	to be updated in 2011	End 2011

- A key element of the new strategy, "DSM in motion: *driving focused growth*", was for DSM to go to the next level in sustainability: from responsibility to a business driver.
- DSM's sustainability strategy is strongly connected to the company's mission to create brighter lives for people today and for generations to come, and its brand promise of Bright Science, Brighter Living. DSM believes sustainability is becoming a key differentiator and value driver as the company creates value for society and itself by responding to societal needs. DSM is uniquely positioned to capture new value-creating opportunities.
- A number of ambitious aspirations were set in 2010, and H1 2011 has seen good progress towards meeting these aspirations:
 - DSM is proud to have retained its Top ranking ('Gold') in the Dow Jones Sustainability Index. Recently it was once again named the super sector leader in Chemicals.
 - The Percentage of ECO+ solutions in the innovation pipeline is well above the target set, and the percentage of ECO+ solutions as a percentage of running business increased further towards the 50% aspiration.

- DSM is on track with its drive to improve energy efficiency by 20% by 2020 (compared to 2008).
- DSM will report progress on greenhouse-gas emissions at the end of the year.
- In last year's employee engagement survey DSM improved its score compared to 2009 and was close to the high performance norm.
- DSM will update its diversity and people aspirations at the end of the year.



- A key element of "DSM in motion: *driving focused growth*" was to move from being a European company reaching out to the world, to a truly global company.
- We have worked hard to drive our market penetration in the high growth economies, increasing from just 22% of sales in these economies in 2005 to 37% now - and with a target towards 50% of sales by 2015.
- There is also a clear focus on China, where we have set a target to double the sales to a level of at least US dollar 3 billion by 2015. H1 2011 saw DSM make good progress towards this target: our China sales approached US dollar 1 billion.
- Achieving these targets requires a true internationalization of the company. DSM is adjusting its organization in a variety of ways to facilitate local decision-making for example via local Presidents in China, India, Russia and Brazil, to drive local innovation through Innovation Centers such as in China and India, and to establish clear accountability for regional growth at Managing Board level. Progress is being made on this front as well.



• The pace of our accelerated sales growth in high growth economies has continued in 2011, particularly in China and India.



- In innovation, DSM's stated ambition is to move to the next level: from building the machine to doubling innovation output.
- Since the announcement of the innovation boost back in 2005, as part of DSM's Vision 2010 strategy, the increased commitment to innovation has significantly paid off, as shown by the achievement of numerous milestones. The most tangible milestone is the fact that in 2010 DSM clearly exceeded its target of achieving € 1 billion in additional sales through innovation compared to 2005 (the actual figure achieved was € 1.3 billion), despite the strong headwinds encountered in Q4 2008 and 2009.
- In addition, the Emerging Business Area programs have resulted in strong, long-term growth platforms which optimally combine the available competences in Life Sciences and Materials Sciences.
- Building on this track record, DSM is taking value creation by innovation to the next level.
 DSM has adopted a new innovation target definition which is more in line with other mainstream innovators in the industry: percentage of sales created by new products

and applications introduced in the last five years, replacing the previous target of an absolute amount of additional sales through innovation.

- DSM's target is to increase innovation sales from ~ 12% towards 20% of total sales by 2015. Very good progress towards this target was made in 2010, with innovation sales reaching 16% of total sales. This was continued in H1 2011: innovation sales totaled € 0.8 billion, or 18% of total sales.
- DSM has fulfilled its commitment to expand innovation by opening a new Nutrition Innovation Center in the US as well as initiating two more Innovation Centers in China and India. Moreover, DSM has created two other facilities in China: an animal nutrition center, and a materials & automotive development center.



- In sustainability, DSM has made it clear that its ambition is to go to the next level: from simple responsibility to where sustainability is a business driver, in line with the company's mission to create brighter lives for people today and for generations to come.
- DSM believes sustainability is becoming the key differentiator and value driver and that we are uniquely positioned to capture new value-creating opportunities.
- DSM is setting new and ambitious business targets for sustainability. By 2015 ECO+ products will account for over 80% of the innovation pipeline and towards 50% of total running business sales (compared to almost 40% now). These developments will make DSM the clear industry leader and preferred partner in value creation through sustainability. To achieve these ambitious goals, we are embedding sustainability into all our business activities.
- DSM is proud to have retained its top ranking in the Dow Jones Sustainability Index. Recently it was once again named super sector leader in Chemicals. DSM has achieved

this leading position in 6 out of the last 8 years.

Growth through acquisitions and partnerships

From portfolio transformation to growth

- Partnership for DAI and DPP
- Co-investments with Sinopec
- Expand innovation partnerships
- Acquisitions and partnerships in Nutrition, Materials and EBAs

Achievements

- · Partnership Sinochem in anti-infectives
- New caprolactam facility announced in China with Sinopec (completion 2014)
- Acquisitions of Martek, AGI and C5 Yeast Company
- Several other smaller acquisitions, partnerships and venturing participations



- When we launched "DSM in motion: *driving focused growth*" we made it clear that, alongside stretching organic growth targets, we would also use acquisitions and partnerships to advance our ambitions more rapidly. Clearly, this would need to be partnerships that make strategic sense in terms of meeting our ambitions, and acquisitions that meet DSM's strategic and financial criteria.
- DSM has identified several key areas where its interests would best be met through a partnership approach. In the meantime the DSM Sinochem Pharmaceutical joint venture in anti-infectives has been established and at the end of September 2011 the groundbreaking ceremony of the second caprolactam line in China took place.
- On the next page a list of acquisitions, other partnerships and venturing participations are given which have been concluded or announced since September 2010, when we launched our new strategy. Our strategically most important acquisitions in that period were Martek (PUFAs), AGI (UV curable resins) and C5 Yeast Company (yeast for 2nd generation biofuels).



- Above a list is given of the acquisitions, partnerships and venturing participations which DSM has concluded or announced since September 2010 in Nutrition, Performance Materials and the Emerging Business Areas.
- The Shandong ICD high performance fiber acquisition in China and the premix acquisition in Romania have not yet been completed.
- Our current portfolio of venturing participations and stakes can be found on our website at http://www.dsm.com/venturing.







- DSM is transforming to become a genuinely global organization able to achieve its strategic ambitions. By strengthening and empowering the regional businesses, DSM deepens local market insights and relationships. In parallel, the 'One DSM' program progressively enhances knowledge-sharing and collaboration across businesses, functions and regions, enabling us to capture the full benefits of scale and diversity.
- The business groups are the primary organizational and entrepreneurial building blocks with a focus on customers and markets. The regional organizations strengthen the business groups by providing infrastructure and capabilities. The regional organizations also cater for local innovation in designated countries and present the 'One DSM' face to the external constituencies. As a shared responsibility, the regional organizations also drive top-line growth.
- All this is supported and optimized by Shared Services (providing efficient high quality services in designated areas) and Functional Excellence groups (offering functional expertise and leveraging implementation capabilities).

- The further transformation of DSM's organization is supported by DSM's culture change program, which has established a shared understanding of essential DSM values and principles to drive growth:
 - External Orientation: to fully anticipate customer needs, to drive innovation priorities, to track best practices for key business functions, to broaden networks and to engage stakeholder groups.
 - Accountability for Performance: to take full responsibility and ownership for individual actions and for the performance of teams.
 Successes are recognized and celebrated, issues are surfaced and mistakes are used as individual and collective learning opportunities.
 - Inspirational Leadership: the combination of setting direction through vision and targets, executed with passion, sense of urgency and decisiveness, while connecting with people, via trust, authenticity and humility.
- DSM's culture change program is deployed on the basis of DSM's strong belief in sustainability as a business driver on the one hand and diversity & inclusion on the other.



- DSM's goal is to truly internationalize its business. This will bring us closer to our key markets and customers, strengthen the regional businesses and stimulate diversity and innovation. DSM combines a stronger regional infrastructure with clear board level accountability for regional growth.
- The following changes are in progress to further internationalize DSM:
 - Relocation of business group headquarters: DSM Fibre Intermediates to Shanghai, DSM Engineering Plastics to Singapore and DSM Anti-Infectives to Hong Kong.
 - Relocation of the DSM Biomedical (DBM) business headquarters to the United States (California).
 - Relocation of the Biofuel (BF) business, a part of DSM Bio-based Products & Services (DBPS) to the United States (Illinois).
 - Initiation of new Innovation Centers in China and India, and expansion of the existing Innovation Centers in the US and Japan.
 - Strengthening of regional capabilities, infrastructure and management to provide regional views to the business and support growth and innovation in the regions. We have established full-time presidents in India

and Russia (these roles already existed in China, Japan and the US) and, initially, a combined business / president role in Latin America.

- Allocation of regional growth and synergy accountability to designated members of the Managing Board (dual desk in combination with cluster oversight).



 Because of its internationalization drive, its strategy to grow in high growth economies, DSM wants the number of executives and high and top potentials to grow much faster in the high growth economies than in the other regions. In 2015 approximately one third will be from and working in high growth economies. Currently only 12% of the executives and 22% of the high and top potentials are coming from these regions.



- The most important step forward in creating a new culture at DSM has been the launch of our new brand. Not only does the Bright Science, Brighter Living positioning succinctly capture for our people (as well as stakeholders external to the business) the challenge that motivates us as a company, it has also signaled a clear moment of change: the end of our transformation and the need for us to move towards the next phase of "driving focused growth".
- Employee engagement towards the company and its strategy is crucial, particularly through a period of change - hence the importance that we give to measuring and improving levels of engagement, which is proving to be successful. Step by step we are moving close to the high performance norm in employee engagement. Achieving this norm is our aspiration for 2015.
- Fostering an inclusive culture that embraces differences will enable us to drive superior business results and innovation. Inclusion and diversity workshops are helping to increase a more outside-in approach, achieve a better connection with end customers, and increase the focus on innovation, which will result in

higher performance.

- In order to facilitate learning across the businesses and regions, several initiatives have been started to secure the exchange of best practices and experience sharing. We are using the power of global communities to enable faster organizational and individual learning and thus speed up the culture change.
- DSM is actively addressing the challenges inherent in becoming a genuinely global company. New ways of working are being developed and tested to facilitate achieving collaboration and a high performance culture in this global context.



- The drive for a global high performance organization is supported by Functional Excellence programs, one of which focuses on achieving excellence in Marketing & Sales.
- DSM is taking its focus on "customer centricity" to the next level to enhance its competitiveness and profitability, which means going beyond the traditional sales driven relationship to develop an in-depth understanding of the needs of our customers and the evolving markets in which they operate.
- To better understand and therefore work with customers, DSM is focusing on:
 - Value Creation: enhancing market understanding, customer insights and strategic marketing planning. This includes projects focused on identifying the most promising growth business options based on in-depth market understanding.
 - Capture Value: through customer segmentation, value based pricing and margin management. This program is for instance applied to prepare businesses for increasingly competitive markets by developing a futureoriented customer segmentation approach and pricing structures.

- Customer Management: key account management and customer relationship management (CRM) to increase the effectiveness of marketing & sales activities. CRM has been instrumental in strengthening customer relations and the agility of the M&S organizations throughout DSM.
- People & Performance: assessment and development programs to further build the skill base and expertise of the individuals and teams and to boost direct customer facing time.
- To support the change towards more customer centricity, DSM is using the Net Promoter Score metric, which has become the leading metric for loyalty and advocacy tracking in all industries. A better understanding of what is driving customer behavior will help DSM achieve its margin goals by securing longer lasting, more profitable relationships.





- DSM Nutritional Products has made steady progress, with continued strong business fundamentals.
- DSM Nutritional Products' strength is derived from its unique dual positioning of being both a full value chain player and having a broad portfolio of micronutrients, with product offerings fully anchored in nutritional science, and production and delivery executed in a tight framework of quality management.
- To meet its growth aspirations DSM Nutritional Products focuses on ensuring continuous improvements in its manufacturing operations, while also searching for science based nutrition innovations. Some examples are the ongoing work on strain improvement in the production of vitamin B2, where we believe to have the most cost effective production in the industry, and our breakthrough fermentation technology for the production of KGA - a critical intermediate in the production of vitamin C. In our recently acquired Nutritional Lipids business (Martek), we focus strongly on yield improvement to further reduce cost. In addition DSM has developed a new process for

the production of vitamin B6, addressing our adverse cost position in Grenzach, Germany.

- An additional element of DSM's nutrition strategy is to expand the range and scope of available active ingredients, and to increase the geographic reach of our products. Major progress has been made in 2011 through the acquisition of Martek and of two companies in the field of natural carotenoids, Microbia from the US and Vitatene in Spain.
- In addition, to expand the geographic reach, new premix plants have been added in the last two years in China, India, South Korea, Rumania, Russia, Ecuador and Colombia, and we have strengthened our franchise store network in China.



- DSM successfully completed the acquisition of Martek Biosciences Corporation in early 2011.
- Martek had a strong position in PUFAs for infant nutrition and an emerging position in food and beverage applications, especially in the United States. In addition, their acquisition of Amerifit, a growing business supplying branded dietary supplements with very specific health benefits, provided an innovative marketing channel for Martek ingredients (and now also some DSM ingredients).
- In line with its strategy, DSM Nutritional Products is utilizing its global market reach, technology base and application capabilities to further accelerate the growth of Martek's product portfolio into other regions, applications and market segments such as animal feed, food, beverage and dietary supplement applications worldwide. The DSM Martek combination will drive continued, rapid and profitable growth.
- Furthermore, Martek's algal and other microbial-based biotechnology platform and its robust biotechnology pipeline, which complements DSM's own portfolio, are

expected to deliver new growth opportunities in Life Sciences and Materials Sciences.

- The preparation for the integration of DSM and Martek started when the transaction was first announced in December and is now in full implementation, driven by a dedicated team of DSM and Martek representatives.
- The Martek acquisition is included in the DSM Nutritional Products' sales as of 25 February and added \in 121 million to Nutrition sales and \in 40 million to EBITDA in H1. DSM expects the full year impact to be around \in 80 million in additional EBITDA in 2011 (10 months).
- Martek's sales growth is expected to remain in the double digit levels with stable to rising margins.



- DSM was clear in presenting its strategy for the next period, "DSM in motion: *driving focused growth*", that it saw the future for both of its pharma businesses as being in partnership with other players who could accelerate transformation and growth. This has been actively taken forward, with the establishment of our JV with Sinochem for the Anti-Infectives business, and the furthering of discussion with regard to the DSM Pharmaceutical Products business.
- In addition, DSM Anti-Infectives has continued the development of its new 6-APA plant in China, whilst the promise to forward integrate into final dosage products has been met with progress on DSM's 1st product for oral dosage in regulated markets and expansion of the product portfolio through the launch of five new APIs.
- DSM Pharmaceutical Products has strengthened its project pipeline to further optimize asset utilization and continues to control costs to improve profitability. DSM Biologics continues to develop its technology and will open the world's first commercial scale biopharmaceutical manufacturing site in

Australia in 2013, funded by the Australian Government.



- World demand for and production of antiinfectives is moving rapidly towards Asia and other high growth economies. Global demand growth for beta-lactam antibiotics is expected to accelerate from 2010 onwards driven by increased demand in the high growth economies, of which China and the rest of Asia are key components.
- DSM is the global market leader in betalactams, the largest class of anti-infectives, with a broad global footprint and marketleading technology. However, until recently DSM was underrepresented in China, given the size of the market opportunity there and the size of DSM's current international capabilities. The JV with Sinochem, one of China's biggest central-state owned enterprises, will allow both companies to seize this opportunity - not only in anti-infectives, but also in wider generic pharmaceutical sales, with Sinochem utilizing its vast pharma distribution infrastructure in China, the rest of Asia and across the world.
- In line with DSM's strategy "DSM in motion: driving focused growth", this partnership will benefit from the strengths of both Sinochem

and DSM and will allow DSM Sinochem Pharmaceuticals JV to grasp market opportunities in China and other high growth economies, in addition to securing European and American access to high quality products. Furthermore, this partnership will accelerate the process of forward integration into dossiers and finished dosage in selected markets.



- The Sinochem Group has taken a 50% equity interest in the business group for a total cash consideration of € 210 million on a cash and debt-free basis with 1 January 2011 as effective date. Sinochem Group and DSM share the cash inflows and outflows of DSM Anti-Infectives as from that date, on a 50/50 basis. On balance DSM will report a book profit of approximately € 45 million after tax as a result of this transaction in Q3 2011 as an exceptional item.
- DSM is very excited about this partnership, and expects sales from the joint venture to increase by 2015 to over € 600 million, generating EBITDA margins in excess of 15%.
- The JV will be proportionally consolidated at 50% of its value in the DSM accounts as of 1 September.



- DSM's Performance Materials businesses are well-positioned to capture growth opportunities that arise from the global trends, supplying business sectors where performance and sustainability are the key drivers impacting demand. Helping to meet the need to address climate change and reduce energy usage, to conserve resources and reduce waste, to further innovation and meet the needs of an ageing population, DSM is developing materials which are lighter, healthier, safer, more durable and have lower environmental footprints through their entire value chains than traditional materials such as metals.
- In this context, DSM's Materials businesses are making steady progress towards the ambitions outlined in "DSM in motion: *driving focused growth*". They have seen strong sales growth, particularly in the high growth economies and in more sustainable innovative solutions.
- There has been an active focus on margin and cost management, and a concentrated effort to grow margins over and above raw materials price increases especially in DSM Resins and DSM Engineering Plastics.
- DSM has also moved forward on its acquisitions and partnerships strategy, strengthening its product portfolio, technology base and market

access especially in the high growth economies. DSM and the Russian company KuibyshevAzot OJSC have commenced their strategic cooperation and joint ventures in the field of engineering plastics and caprolactam helping DSM to better serve the fast-growing Russian automotive market.

- We have also concluded a partnership with Kemrock in India for the production of high quality specialty composite resins to serve growing local demand. In China we are building a new composite resins plant with our existing partner Sinopec. In both cases, DSM has a majority share in the joint venture. Still in Asia, our Coating Resins business unit has refined its focus on the coating technologies of the future by acquiring a majority share in AGI Corporation, a Taiwan-based specialist in UVcurable coating systems. This significantly boosts our innovation platform at a time when the coatings industry is accelerating its move away from solvent-based resins in favor of more sustainable technologies.
- In addition, DSM has announced that it has signed an agreement to acquire the majority shareholding in Shandong ICD High Performance Fibre Co Ltd. ("ICD"), based in Laiwu, Shandong province, China. Closing of this transaction is expected in the course of 2011.

Examples of innovation in PM



Stanyl[®] chain tensioner for car engines



Dyneema[®] mooring ropes for deepwater oil-drilling



Solvent free resin for paints



- Performance and sustainability are the two key drivers for materials innovation.
- New chain tensioner in car engines made from Stanyl[®] gives higher endurance, lowers weight and friction and saves 1% fuel used during the life of a car and 1 gram CO₂ reduction per km (~ € 100 penalty/car registered for car manufacturer).
- DSM's Dyneema[®] fiber will be used in mooring ropes for a semi-submersible mobile offshore drilling unit of Petrobras, one of the world's leading integrated energy companies. To moor one drilling unit, more than 15 kilometers of rope is needed.
- DSM is leading the way in moving towards solvent-free resins systems for paints and coatings, driven by the need to create healthier, more sustainable products.



- Polymer Intermediates has a uniquely strong starting point: its global market position, a solid partnership in China, excellent performance, technological leadership and a secured supply to DSM Engineering Plastics. Building on these foundations, Polymer Intermediates further strengthened its backward integration with DSM Engineering Plastics through the partnership with KuibyshevAzot in Russia, securing supply of competitive priced raw materials for DSM Engineering Plastics.
- Polymer Intermediates is capitalizing on the opportunities that are arising by variable cost reduction in the US, by doubling production capacity in China with our partner Sinopec, by continuously improving existing assets by means of improving production reliability and performance in Europe and by maintaining its firm commitment to sustainability.
- DSM's strong position in China is very important. DSM is the only caprolactam producer with production assets on 3 continents. In the Chinese region (China and Taiwan), consumption of PA6 is expected to grow rapidly in the coming years, primarily

driven by strong growth in engineering plastics and film segments (CAGR > 10%). Being the only Western producer with production assets in China, in combination with a partnership with a strong Chinese company (Sinopec), DSM has an excellent position to grow in Asia. DSM's newest and best-in-class technology, which is being implemented in the second line in China, is expected to demonstrate that lower costs (economy) goes hand in hand with better ecofootprint (reduction of waste, reduction of energy use).

 Until 2015, ~ 500kt of caprolactam capacity might come on stream. Not all of this has, however, been confirmed. Apart from DSM-Sinopec's 200kt second line in China in 2014, another ~ 300kt might come on stream including some smaller debottlenecking. As the global market is expected to grow by more than 3% (~150kt per year), global utilization rates are expected to stay above the healthy level of 90%.

EBAs: Building new growth platforms **DSM Biomedical** DSM Bio-based Products & Services DSM well positioned for cellulosic bio-Continued strong growth (>15% pa) Cardiovascular, Orthopedic & fuels Ophthalmic as main markets focus no. 1 position in yeasts Strong pipeline of new developments. top 3 position in enzymes several development agreements signed • Acquisition of C5 Yeast Company B.V. Actamax[®], a DSM JV with DuPont, from Royal Cosun, increasing leadership started its activities position in cellulosic biofuels Value capturing through DSM and Roquette have announced a broadening of the portfolio commercial scale bio-based succinic acid plant expansion in the value chain royalties from licenses Other growth platforms in development selective acquisitions biogas, biodiesel, bio-based adipic acid DSM

- DSM's Emerging Business Areas program is designed to create new growth platforms based on the synergies and strengths of DSM's Life Sciences and Materials Sciences businesses. So far, three EBAs have been established - DSM Biomedical and DSM Bio-based Products and Services being the most advanced - while Advanced Surfaces is in early stage. "DSM in motion: *driving focused growth*" set a target to create € 1 billion in sales from these businesses by 2020, with a high EBITDA.
- DSM Biomedical, which has already built a leading position in the development of novel materials-based solutions to meet the present and future needs of the medical device and biopharmaceutical industries, continues to enjoy strong growth - with a focus on cardiovascular, orthopedic and ophthalmic markets. The joint venture in surgical biomedical materials with DuPont, (Actamax Surgical Materials LLC) received anti-trust approval and started up its activities earlier this year. In addition, DSM Biomedical is working on a range of new developments, as well as working to create different kinds of business models such as royalties from licenses and so on.
- DSM Bio-based Products and Services sees opportunities in the move towards a bio-based

economy, particularly in bio-energy and biobased building blocks and materials. Currently the following businesses are in development cellulosic biofuels, biogas, biodiesel, bio succinic acid and bio-based adipic acid.

- Recently DSM completed the acquisition of C5 Yeast Company B.V. from Royal Cosun, through which it increased its leadership position in the field of cellulosic biofuels. DSM is currently involved in several tens of research and development projects with partners from around the world.
- DSM and Roquette are currently building a commercial scale plant for the production of bio-based succinic acid in Italy, which is expected to come on stream in H2 2012.
- Last year DSM announced that the focus on the EBA Personalized Nutrition and Specialty Packaging would be reduced and that they will be partnered, exited or transferred to other parts in DSM. In September 2011 DSM announced that it has sold DSM Personalized Nutrition, LLC to Viocare, Inc. The food related part of Specialty Packaging has been transferred to DSM Food Specialties and for the pharma related part discussions are ongoing with third parties.





- The world faces an uncertain macro-economic outlook, which has the potential to impact DSM's future performance.
- The political ability to solve debt crises on both sides of the Atlantic is undermining confidence whilst also creating huge uncertainty. The same goes for the Euro. These factors are exacerbating turmoil in the financial sector which - together with the consequent lack of confidence and regulatory moves to prevent further crises - is causing interbank lending to tighten once again. Furthermore, currency markets are unusually volatile, as can be seen in the impact of the Swiss franc over the last few quarters.
- Currently consumer and business confidence are declining in the Western World. Both North America and Europe are seeing slowdowns in economic activity, but the large government debt overhangs are preventing the kind of market stimulus seen in 2009 and 2010. And in the high growth economies, especially China, there are inflation and growth risks.
- All these factors increase the concern of a slide back into global recession.

However, limited impact of these factors is visible in DSM's markets so far. DSM's new portfolio after its transformation into a Life Sciences and Materials Sciences company is more resilient and the (share of total) sales to the high growth economies is much larger than three years ago. With increased concerns about a global recession, it should also be noted that DSM's financial position is very strong. In Q2 2011 gearing was 5% and DSM had € 1.9 billion in cash, cash equivalents and current investments.



- DSM is confident that its transformation has created a more resilient portfolio.
- Compared to 2007 the year before the financial crisis created a real economy recession DSM's business results were much more exposed to commodity chemicals such as fertilizers, melamine, elastomers and caprolactam. However, this has changed markedly, with the much more resilient Life Sciences businesses now making up 59% of EBITDA.
- DSM has exited its Base Chemicals and Materials businesses in the last two years.



 High growth economies make up a far larger proportion of DSM's sales compared with 2007 across the board, increasing from 30% to 37% a trend which is continuing toward 50% in 2015. As a consequence, in a global slowdown where the high growth economies are less affected than the developed Western world, DSM in turn will be less dramatically impacted than would previously have been the case.



- DSM also believes that its business has already proven to be increasingly resilient through this latest highly unusual economic cycle. In 2009, EBITDA for the current continuing business, excluding Martek, was around € 850 million, approximately 15-20% lower than in the previous years.
- Post 2009, DSM recovered very quickly, and in 2010 recorded an EBITDA higher than pre-recession levels.



- DSM's financial base is now considerably more secure than at the moment the last recession hit in Q4 2008.
- We have reduced our net debt position, whilst cash in hand is substantial, meaning we are independent of financial markets in order to finance the company and our growth.
- Similarly, our decisive and disciplined moves to reduce operating working capital have been highly effective - and this in spite of the fact that we have sold businesses such as our agriculture and elastomers subsidiaries, which had relatively low OWC requirements, and replaced them with businesses such as Martek, whose business and market structure necessitates a much higher OWC level.



- Trading conditions remain in line with the environment as reported in Q2, with strong growth in high growth economies and a slowdown of growth in Western Europe and North America. The Japanese economy is still weak, following the natural disasters in Q1.
- Within this macro-economic context the majority of DSM's end-markets can be described as good or strong. Building & construction remains weak while the custom manufacturing pharma market can be described as moderate. During the last months, however, we have experienced some weakening in some of our end markets.

Current business trading per cluster

Nutrition

Sustained good business conditions

Update

- Strong yoy volume growth in Animal Nutrition & Health, moderate to good in other segments.
- Price increases in progress
- Unfavorable currency impact from CHF and US\$ (estimated impact ~€ 20 - 25m net of hedges Q3 2011 vs Q3 2010)
- Martek excellent performance

Pharma

Challenging conditions remain

Update

- Increasing project pipeline and higher volumes yoy Pharmaceutical Products
- Lower prices yoy Anti-Infectives
- Overall business trading in line with previous quarter

Note: Proportional consolidation of DSM Anti-Infectives for 50% as of 1 September 2011

- The fundamental growth drivers for the nutrition business remain fully intact and unchanged despite the uncertain economic climate. In Animal Nutrition & Health there is strong year-on-year volume growth with moderate to good growth in other segments. The cluster is making further progress with price increases.
- The adverse impact of the strong Swiss franc and weak US dollar are approximately
 € 20 - 25 million net of hedges in Q3 compared to last year.
- Martek continues its excellent performance during the quarter.
- The pharma cluster continues to be impacted by challenging business conditions. DSM Pharmaceutical Products is strengthening its project pipeline and is experiencing higher volumes. DSM Anti-Infectives is experiencing lower prices compared to a year ago.
- The joint venture with Sinochem has been established. As of 1 September 2011 DSM proportionally consolidates DSM Sinochem Pharmaceuticals (DSP) for 50%.

• Overall business trading for the Pharma cluster is in line with Q2.

DSM

Current business trading per cluster

Performance Materials

Growth slowed down

Update

- Mixed demand development:
 - Growth in Dyneema[®] fiber solutions and automotive
 - Growth weakening in E&E
 - Lower demand in B&C and tender driven vehicle protection
- Q3 2011 volumes lower than Q2 2011
- Unit margins slightly up in Q3 2011
 compared to Q2 2011

Polymer Intermediates

Excellent business conditions

Update

- Continued strong demand in China
- Prices and margins remaining at high levels
- Caprolactam Q3 2011 margins in line with Q2 2011, acrylonitrile margins slightly lower



- **Performance Materials** is experiencing continued growth in end-user demand, albeit at a lower pace. Asia remains the growth engine and markets like automotive continue to grow. However, engineering plastics for the electronics and electrical (E&E) segment are slowing and the building and construction market has not emerged from the recession.
- DSM Dyneema fiber solutions is experiencing double digit growth typically in segments like marine and industrial applications. However, DSM Dyneema is experiencing lower sales in the tender driven vehicle protection market.
- Compared to Q2 2011 volumes are lower and unit margins are slightly up for the cluster.
- **Polymer Intermediates** continues to enjoy excellent business conditions with continued strong demand in China. Prices and margins have remained at high levels, where caprolactam margins are in line with Q2 2011 and acrylonitrile margins are slightly lower compared to Q2.



• DSM confirms its 2011 outlook.



DISCLAIMER

This document may contain forward-looking statements with respect to DSM's future(financial) performance and position. Such statements are based on current expectations, estimates and projections of DSM and information currently available to the company.

Examples of forward-looking statements include statements made or implied about the company's strategy, estimates of sales growth, financial results, cost savings and future developments in its existing business as well as the impact of future acquisitions, and the company's financial position. These statements can be management estimates based on information provided by specialized agencies or advisors.

DSM cautions readers that such statements involve certain risks and uncertainties that are difficult to predict and therefore it should be understood that many factors can cause the company's actual performance and position to differ materially from these statements.

These factors include, but are not limited to, macro-economic, market and business trends and conditions, (low-cost) competition, legal claims, the ability to protect intellectual property, changes in legislation, changes in exchange and interest rates, changes in tax rates, pension costs, raw material and energy prices, employee costs, the implementation of the company's strategy, the company's ability to identify and complete acquisitions and to successfully integrate acquired companies, the company's ability to realize planned disposals, savings, restructuring or benefits, the company's ability to identify, develop and successfully commercialize new products, markets or technologies, economic and/or political changes and other developments in countries and markets in which DSM operates.

As a result, DSM's actual future performance, position and/or financial results may differ materially from the plans, goals and expectations set forth in such forward-looking statements.

DSM has no obligation to update the statements contained in this document, unless required by law. 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, a copy of which can be found on the company's corporate website, **www.dsm.com**

Abbreviation	Explanation	Abbreviation	Explanation
6-APA	6-amino-penicillanic acid	EU	European Union
AGI	AGI Corporation Taiwan	F&B	Food & Beverage
AMEA	Asscociation of Machinery and	FD	Finished dosage / final dose
	Equipment Appraisers	FDA	Food and Drugs Administration
ANH	Animal Nutrition & Health	GBP	Pound Sterling
API	Active pharmaceutical ingredients	GDP	Gross Domestic Product
AR	Anti-reflective	GHG	Greenhouse Gas
ARA	Arachidonic Acid	GUR	Global Utilization Rate
B&C	Building and Construction	HGE	High Growth Economies
B2	Vitamin B2	HMDA	Healthcare distribution
B2C	Business-to-Consumer		management association
B6	Vitamin B6	HQ	Headquarters
BCM	Billion Cubic Meter	IFRS	International Financial Reporting
BF	Bio-Fuel		Standards
BMM	Biomedical Material	INF	Infant Formular
bn	billion	JPY	Japanese Yen
BP&S	Bio-based Products & Services	JV	Joint Venture
C/E	Central / East	KA	KuibyshevAzot OJSC
CAGR	Compound Annual Growth Rate	KGA	Ketoglutaric Acid
CAPEX	Capital Expenditures	kt	kiloton
CEO	Chief Executive Officer	LATAM	Latin America
CFO	Chief Financial Officer	LCD	Liquid crystal display
CH4	Methane	m	million
CHF	Swiss franc	M&A	Merger & Acquisitions
СНР	Combined heat and power	MB	Managing Board
CIO	Chief Innovation Officer	NGO	Non-governmental organization
CIS	Commonwealth of Independent	OEM	Original equipment manufacturer
611 D	States	OWC	Operating Working Capital
CMD	Capital Markets Days	P&L	Profit and Loss
СМО	Contract Manufacturing	p/a	per annum Delugraide (
CDM	Outsourcing	PA6	Polyamide 6
CRM	Customer Relationship	PEN	Penicillin Pelumer Intermediator
сто	Management Chief Tashnalagy Officer	PI PM	Polymer Intermediates Performance Materials
DA	Chief Technology Officer	PTG	
DAI	Depreciation and amortization DSM Anti-Infectives	PUFA	The Polymer Technology Group
DBM	DSM BioMedical	R&D	Polyunsaturated fatty acids Research and Development
DBPS	DSM Bio-based Products &	ROCE	Return on Capital Employed
	Services	SSC	Shared Service Center
DD	DSM Dyneema	SSP	Supplies Service Partner
DEP	DSM Engineering Plastics	UD	Unidirectional
DEP	DSM Engineering Plastics	UHMwPE	Ultra-High Molecular Weight
DHA	Docosahexaenoic acid		Polyethylene
DPP	DSM Pharmaceutical Products	UOR	Urgent Operational Requests
DS	Dietary Supplements	US	United States (of America)
DSP	DSM Sinochem Pharmaceuticals	US\$	United States dollar
E&E	Electrical & Electronic Industry	USA	United States of America
EBA	Emerging Business Area	USD	United States dollar
EBITDA	Earnings Before Interest, Taxes,	UV	Ultra Violet
	Depreciation and Amortization	VA	Vitamin A
ECO+	The Greenhouse Dialogue	VE	Vitamin E
EFSA	European Food and Safety	VOC	Volatile organic compounds
EP	Engineering plastics	у-о-у	Year-on-year
EPA	Environmental Protection Agency	YTD	Year-to-Date
EPS	Earnings per Share		