

# Innovation as a strategic enabler for future growth

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The first cocoa drink you'll love with all your heart





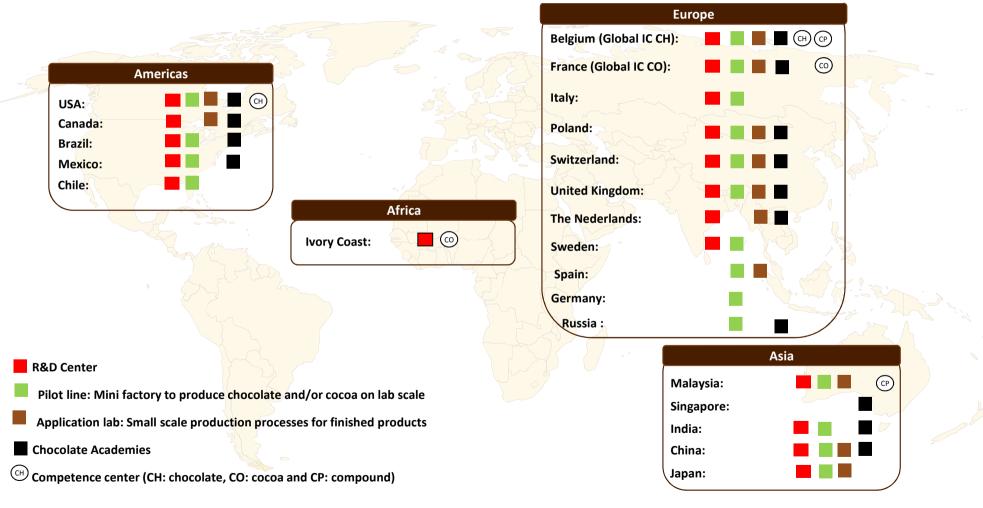
# We have a very strong R&D / innovation network which brings together industry-best technology and know-how

- More than 200 R&D Managers globally
- Around 1100 development projects successfully completed last fiscal year, including upgrade of current and launch of new solutions
- ▶ 30 partnerships with universities, research institutes, labs and scientists
- ▶ Success rate on record high (59%) in 2013 / 2014
- >35 patent families and 40 international patents





We have a strong global presence with research and development capabilities and facilities with 18 Academies, 12 Applications Labs, and 18 Pilot Plants



## Innovation / R&D Job within Barry Callebaut splits itself into applied R&D and Innovation

#### **APPLIED R&D**

- Work with our customers on matching existing or developing new "chocolate" solutions
- Renovate products / services to strengthen its functional properties or reduce cost
- **Technical Advisors support** implementation from Customers



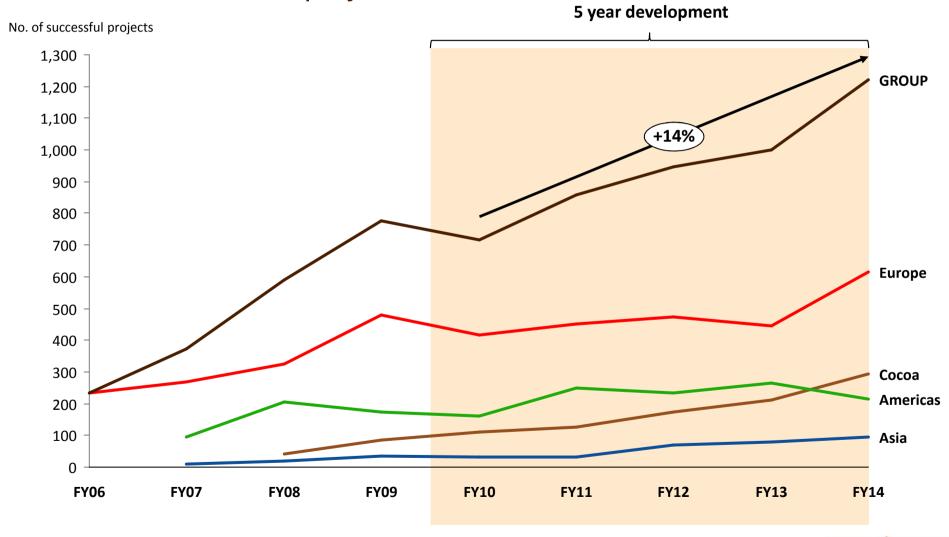
#### **PRO-ACTIVE INNOVATION**

- New product concept development on the basis of new technological capabilities and /or new customer insight
- Fundamental research in selective areas to secure industry-best know-how into the future
- Partnerships with leading universities and knowledge institutes



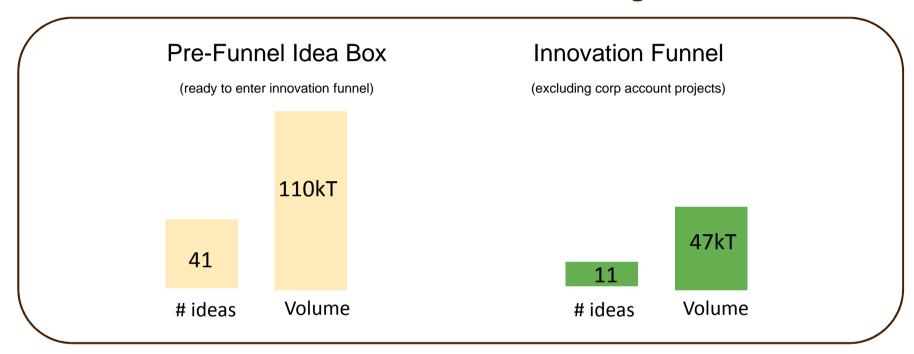


On Customer driven innovation work, we steadily keep increasing the number of successful projects...





Our pro-active innovation pipeline is full of new ideas to develop the market further. We focus more and more on the big ones



#### **Innovation Funnel**

- Number of active projects is kept limited (#11). Focus on Bigger, Bolder, Better
- Additional joint innovation projects with corporate accounts (MDLZ, Hershey, Unilever)



Market Development only happens when our customers buy into the benefits and added value we have to offer



Our development work with our customers is based on three pillars, all unique to Barry Callebaut



**Base research & Idea Generation** 



**Co-Creation with our Customers** 



**Trends & Market Insight** 





### Our fundamental research areas

#### **Structure, Texture & Sensory**

#### Chocolate and cocoa indulgences

By offering a portfolio of indulgent products with specific attributes, Barry Callebaut answers the needs of its customers for product differentiation and prolonged shelf life.



#### **Authenticity & Permissibility**

#### Health and well-being

Motivated by the rising awareness of the impact of nutrition, consumers are scrutinizing foods and food production more than ever. Barry Callebaut addresses these concerns while maintaining an authentic chocolate experience – without compromising on taste.



#### Cocoa Science

#### Looking inside the bean

By deciphering the potential of each bean Barry Callebaut is able to develop chocolate and cocoa products with specific properties with regards to taste, appearance or processing.



#### **New Process Technology**

#### Improving and creating

Throughout the value chain, Barry Callebaut is finding ways to improve existing processes, while also creating new technologies to produce chocolate, cocoa and related products.



















& Permissibility





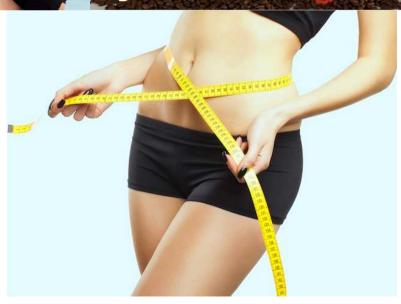
















# **Co-Creation with our Customers**

**Chocolate Academies** are state-of-the-art training centers which take chocolate professionals on a journey *from bean to chocolate*.

Together with our Chefs, we train, inspire, and brainstorm together on end product level

#### **Activities:**

- Product Training
- New Idea Generation with Key Customers
- "Golden Reference" development before upscaling in Application Lab
- Ingredient variation for product upgrade or cost rationalisation







# **Co-Creation with our Customers**



**Our Application Centers** are the locations across our network where we go to train, inspire, and brainstorm about the up-scaling of new product ideas.

Our Technical Advisors host our (semi) industrial customers in these Application Centers. Our technical advisors are versatile to work across our product portfolio for the application of the customer. By handing over new ideas, tips, and tricks we strengthen the cooperation between BC and our customer.





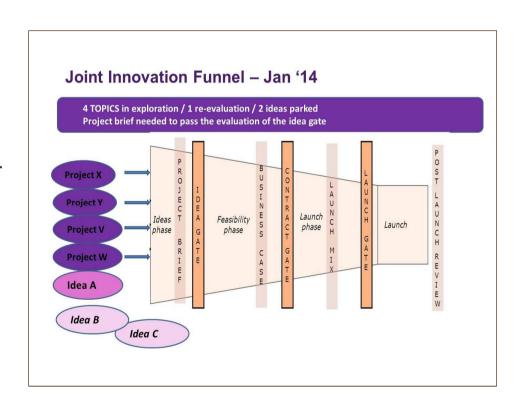






### **Co-Creation with our Customers**

- With strategic partners, we develop joint innovation funnels
- Implement disciplined process: resourcing projects, organize regular technical meetings, and direct "gatekeeping process" for all projects against the funnel
- Joint ownership of innovation work is fundamental to the relationship







# **Trends & Market Insight**

We capture for our customers the trends which we identify around the world as a base for our discussions on new product solutions.

# Pleasure is everything

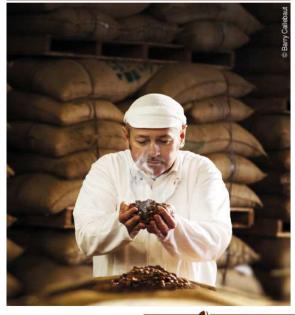


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# Buy responsible



# Show me it's real







# **Trends & Market Insight**

Different platforms are shared around drivers of the buying process by consumers around the world.







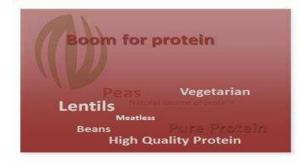












### Summary

- ► Global R&D / innovation at the core of the Group's strategy
  - Strong R&D network with global reach with center of excellence for chocolate in Wieze
  - ► Taking responsibility to lead the market development as global leader in cocoa and chocolate
  - Strong track record in both customer driven and pro-active innovation
  - ▶ At the forefront of new trends and market developments.
  - Organised to sustain the strong innovation performance into the future
- ▶ Innovation a strategic enabler for future growth









