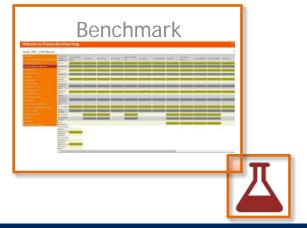




#### **OPERATIONS MANAGEMENT TEAM:**

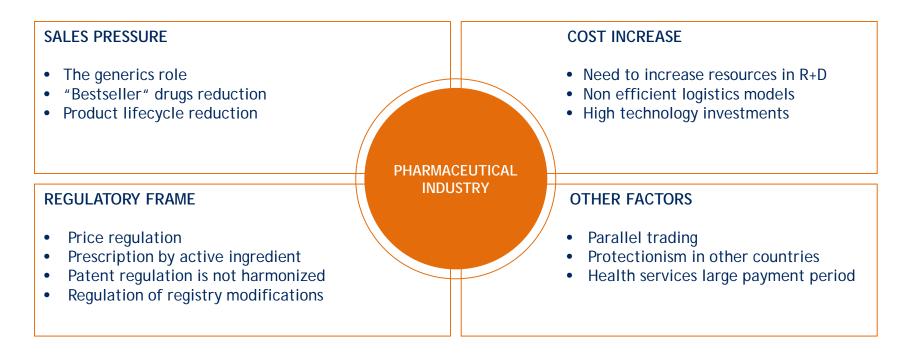
A SCIENTIFIC APPROACH TO PRACTICAL SOLUTIONS



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NEW CHALLENGES IN THE PHARMA INDUSTRY

• The Pharmaceutical industry is under unprecedented **pressure** to deliver **innovative** health benefits at affordable **costs** 



All these factors decrease margins and make pressure on pharma industry profitability

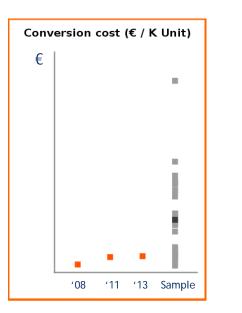


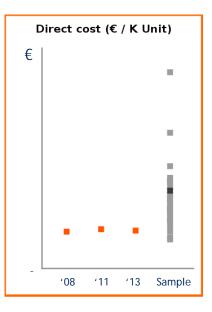
### How to Face Issues

- Operations Management is challenged to maximize the strategic benefit it provides to the company at an acceptable level of cost
- As a key driver to delivering on this challenge, the industry has been adopting operational practices which should be understood as Operational Excellence
- The effectiveness of these approaches requires the use of practices, procedures, technics, tools, and relevant Key Performance Indicators (KPIs) across the entire organization

#### The Benchmark

- A key tool useful to this scope is the Benchmark, which pursues two objectives:
  - Aggregate a set of performance indicators in structured KPIs, in order to identify the business performance in all the Supply Chain areas
  - Provide the company's position with respect to the total of the sample for each indicator typology and in aggregate form for each KPI







# PHARMA INDUSTRIAL EFFICIENCY BENCHMARK

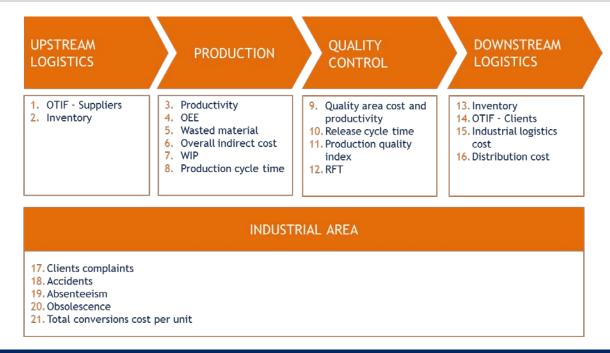
## Origin and development



- Worked out in 2008 by the Spanish consulting company MANAGEART for pharmaceutical companies in Spain and Portugal in order to identify potential **improvement opportunities** of industrial efficiency
- Thanks to the benchmarking tool, each pharmaceutical plant could identify which areas need to be investigated in order to define the best solutions to attack the loss of efficiency and thus to reduce costs

## What is it

- Dedicated exclusively to pharmaceutical companies
- Analysis focused on the single plant, rather than on the whole company
- Anonymized comparison with over 600 indicators structured in 21 KPI, scalable per size, pharmaceutical forms, etc.
- Participation of more than 30 pharmaceutical plants among Spain, Portugal, Italy, Germany, Switzerland, and Austria

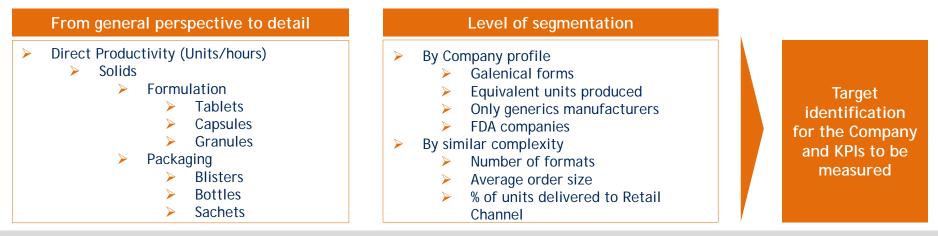




#### PHARMA INDUSTRIAL EFFICIENCY BENCHMARK: SEGMENTATION AND BENEFITS

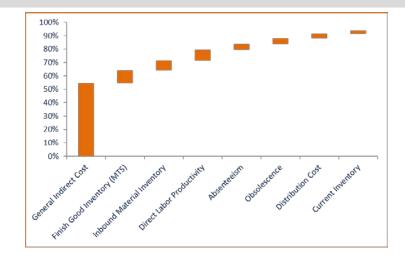
## Segmentation

One of the key success factors of the Benchmark is the capability to deep dive the information and to segment it in order to compare with the proper competitors



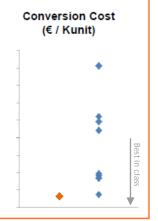
## Benefits

The tool provides an effective aid for the management of data collection and allows a detailed and reliable comparison among different companies, furthering the identification of improvement areas and accurate corrective actions, quantifiable in terms of potential savings

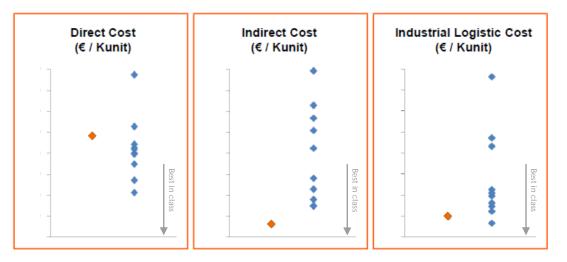




In 2010 a leader of the Spanish pharmaceutical market participated to the Benchmark and it turned out the «best in class» plant with respect to the conversion cost



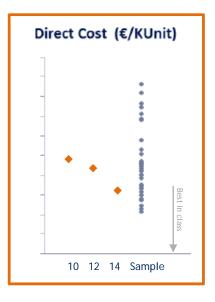
Analyzing the different components of the conversion cost, it really turned out that the company was «best in class» in indirect and logistics costs, but it bears high direct costs. This drove the company to identify some improvement opportunities





#### PHARMA INDUSTRIAL EFFICIENCY BENCHMARK: A SUCCESS CASE (2/2)

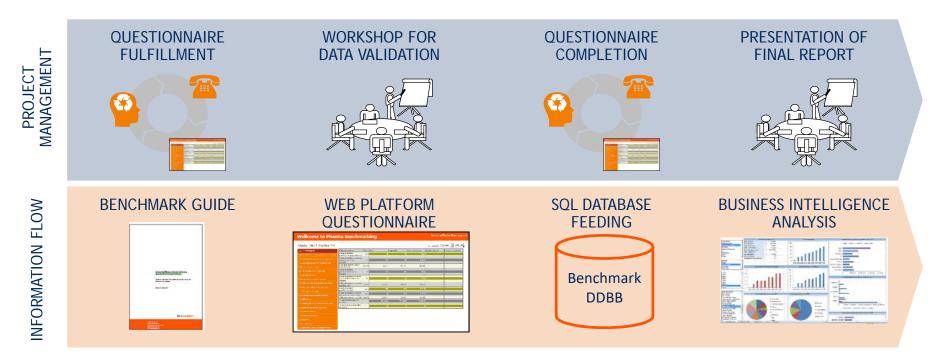
The company decided to invest in a big Operational Excellence project, specifically in Solid Packaging area, through SMED programs, formats standardization, OEE measurement, and reorganization of Packaging lines



- The investment payback was reached only with 10 months, as well as a valid performance measurement system, the growth of operators skills from the viewpoint of Lean Manufacturing, and a drastic reduction of direct costs
- The company has repeated the Benchmark twice the following years, highlighting a constant decrease in direct costs, becoming one of the **«best in class»** plant also in this component
- This area for improvement would not be easily identified without such a tool able to going deep reaching this adequate level of detail



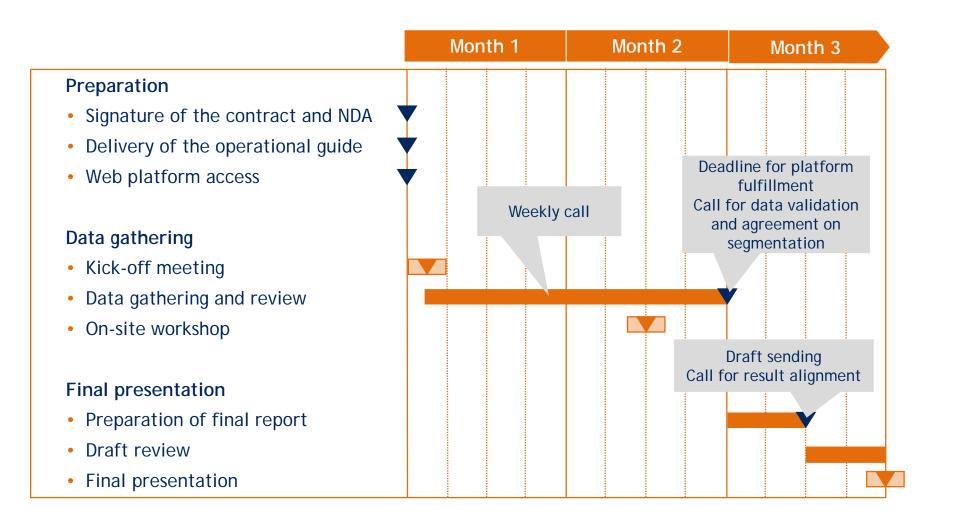
# PHARMA INDUSTRIAL EFFICIENCY BENCHMARK: MANAGEART



## Goals

- Provide a substantial analytical basis to support Continuous Improvement activities
- Detect improvement opportunities for the plant, with an accurate measurement of the potential savings
- > Ensure the comparability of industrial activity among different production plants
- > Encourage the standardization of Pharma industry indicators





#### PHARMA INDUSTRIAL EFFICIENCY BENCHMARK: MANAGEART PARTICIPANTS







Department of Enterprise Engineering Industrial Engineering Building Via del Politecnico 1, 00133 Roma P. IVA 11172661008 - Iscr. REA RM-1284162

Contacts Matteo Comodini E-mail: matteo.comodini@omteam.it Tel. & Fax +39 06 7259 7164 Mobile +39 351 077 9057