





BIOMERIEUX

THE TRUE STORY OF A DEMAND DRIVEN JOURNEY

bioMérieux at a glance



2 LEADERSHIP POSITIONS
IN MICROBIOLOGY
GENERATE 2/3 OF SALES

+ 50 YEARS

OF EXPERTISE IN

IN VITRO DIAGNOSTICS

+ 20 YEARS

OF EXPERTISE IN INDUSTRIAL MICROBIOLOGY CONTROL

Sales amounting to €2.288 billion in 2017



1,600 people dedicated to R&D



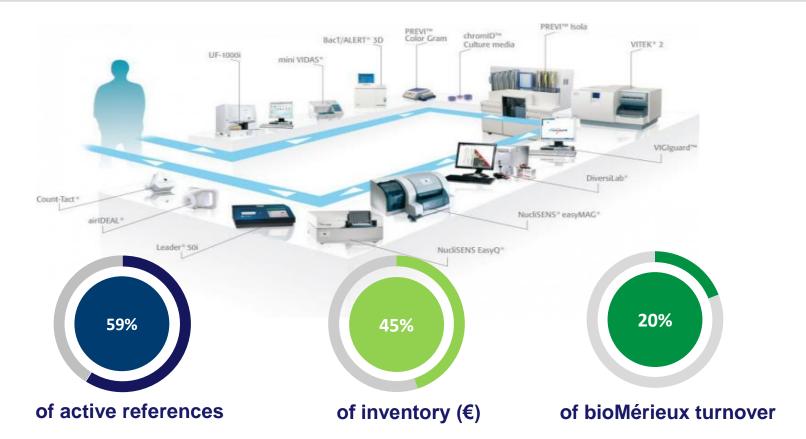
90% of international sales



BIOMERIEUX EQUIPMENT & SPARES

SUPPLY CHAIN AS A STAKE





BIOMERIEUX E&S

SUPPLY CHAIN FOOTPRINT





FOCUS ON CHANGE THE TRUE STORY







Prepare to

change until go live

Dec. 2017 Tool prep.

Sustain change after

Apr. 2018

Audit of practices

Feb. 2018

DDBrix & DDMRP Implementation



workshop in all factory

Oct. 2017

Project launch, 1rst DDOM workshop, tool selection,



Implement first change during 1rst scope



Nov. 2017

adjustments

Demand

Driven

Positioning & sizing

2nd DDOM workshop

Choose to change before the launch

Nov. 2015

Demand Driven Planner trainings







CITWELL MANAGEMENT CONSULTING, OPERATIONAL & INNOVATIVE



Our key figures

40
People to successfully conduct your various projects

50
Conferences with clients testimonies

50
Conferences with clients testimonies

50
Conferences based in France and overseas

50
Conferences based in France in project transformation

Our DDAE expertise



IMCM approach

Raise awareness and train on Demand Driven thoughtware, before software

Define the pertinent scope and build the pilot

20+ DDAE implementation projects































WHY DEMAND DRIVEN FOR E&S?



Equipments



51% Regions Forecast accuracy Equipment for 6 months (75 to 83% reagents)

Low & erratic volumes of Sales/Placement at local level

Spare parts



No forecast or with a very high error.

11% of IDC SKUs have an ADU > 1 unit / day 53% of SKUs have an ADU < 1 unit / week

Shortages are quite common

Inefficient collaboration



S&OP process managed by global Supply Chain

But plant KPIs mainly focused on costs -> 2 months firm horizon, 12 months **leveled budget**

Little to no agility





AFTER THE S&OP... DEMAND DRIVEN



Jun. 2018

Closing pilot & go for roll-out



2nd DDOM workshop adjustments

Feb. 2018

Apr. 2018 Audit of practices

DDBrix & DDMRP Implementation workshop in all factory DD BREE® DDMRP FACTORY

Support

Oct. 2017

Project launch, 1rst DDOM workshop tool selection



Demand Driven Planner.

Nov. 2015 Transformation workshops **Demand Driven Planner**

Demand

Driven Planner,

trainings

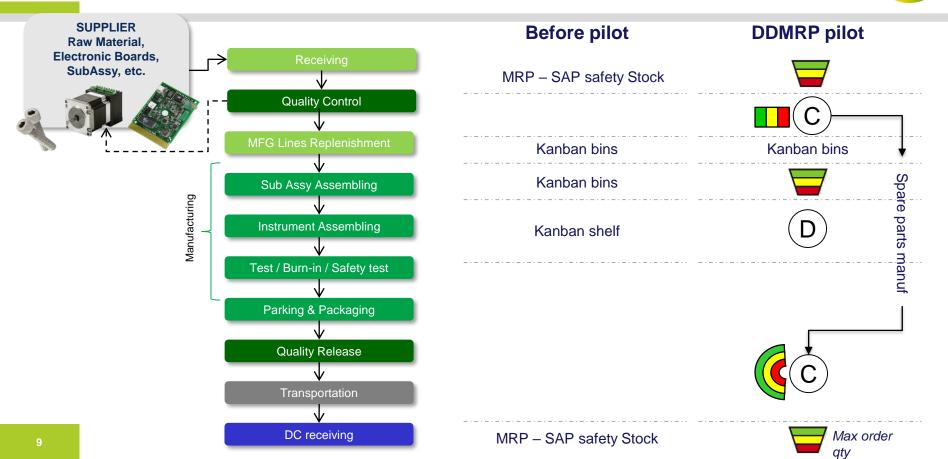




DEMAND DRIVEN 1RST SCOPE – 2 MAJOR RANGES

WENT VERY MUCH INTO THE GEMBA





DEMAND DRIVEN PILOT QUANTITATIVE RESULTS

JUST AS EVERYONE





OTIF stable At a very high level



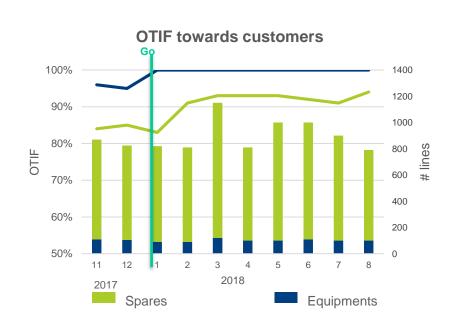
-2 to 5 months cash to cash cycle



Lead-time reduction: 70 to 18 days on instru.



-25% inventory overall (plant+DC)







DEMAND DRIVEN 1RST IMPLEMENTATION

KEY QUALITATIVE RESULTS





Same language

Used by plant SC & IDC SC And by all impacted services



Same customer

Objectives aligned all along the SC, based on customer demand



Same way of working

through the sites (incoming control, quality, Sales Admin, ...)

- → A lot more reactivity & relevancy on information & physical flows
- → A lot more understanding between parties





SUCH GOOD RESULTS...





... necessitate stamina!



FOCUS ON CHANGE THE TRUE STORY

BIOMÉRIEUX

Jun. 2018



Prepare to

change until go live

Nov. 2017

Positioning & sizing 2nd DDOM workshop adjustments

> Demand Driven

Oct. 2017

Project launch, 1rst DDOM workshop, tool selection,

Sustain change after

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DDBrix & DDMRP Implementation workshop in all factory



Implement first change during 1rst scope

DDMRP

Nov. 2015

Demand Driven Planner trainings











CHOOSE TO CHANGE BEFORE THE LAUNCH



A bit of schizophrenia...



how to overcome that?

Passion and experience!





CHOOSE TO CHANGE



Attention points



- Very long decision time (convince, investigate, budgets...)
- Consultants key to « shakras » opening at all levels and steering into the demand driven market







PREPARE TO CHANGE



Training & certification for everyone



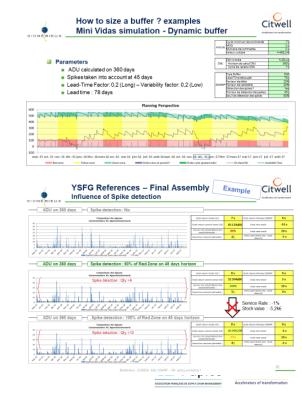
Impactful scope

Major product line
2 Main instruments
& associated spare parts



- Highest runners
- Strong seasonality
- 536 raw materials
- 8 BOM levels
- 142 spare parts

Get to know





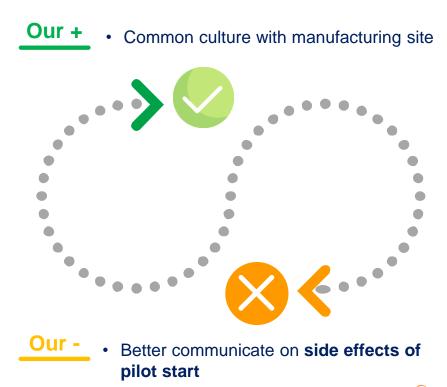
PREPARE TO CHANGE



Attention points



- DDP training for all
- Impactful scope, incl. critical cases
- Make your life easier:
 - Robust SC skills in production site
 - Good relationship with pilot site(s)







EQ01 EQ01

EQ01 EQ01 EQ01

OUR WORST ENNEMY AT PLANNING LEVEL

	Material Plant	410416 FR07 MRP	MINI VIDA	S erial Type YFII
Σ	A Date	MRP element	Start/release date	MRP element data
	11.10.2018	Stock		
	11.10.2018	SafeSt		Safety Stock
	21.09.2017	PRqRel		0102504121/00010
	24.11.2017	PRqRel		5000878825/00020
	24.11.2017	PRqRel		5000878825/00100
	20.03.2018	PRqRel		5000865010/00010
	20.07.2018	Delvry		8006595126/00002
	28.09.2018	Delvry		8006889822/00002
	3 01.10.2018	POitem		6500513786/00001
	3 02.10.2018	Delvry		8006901624/00002
	3 04.10.2018	Delvry		8006904642/00001
	3 05.10.2018	Delvry		8006918827/00001
	3 08.10.2018	POitem		6500515698/00002

• Constantly monitor, reassure, answer....





ON-BOARD WIDELY AND PROVIDE SOLUTIONS



Usual position BEFORE

My OEE! My standard cost!

What we did

- No pressure on standard costs for 6 months
- Precise monitoring & explanations

Purchasing

Manufacturing

What are these peak orders??! Smaller MOQs?!

Communication & DDBrix

Constant routine on buffer management

Quality

I'm not impacted

Communication & DDBrix

Prioritization through buffer statuses

Controlling

OEE! Inventory increase? What is the ROI?

Communication & DDBrix

 Demonstrate cash velocity increase / business case

Physical logistics

More shipments

Communication & DDBrix

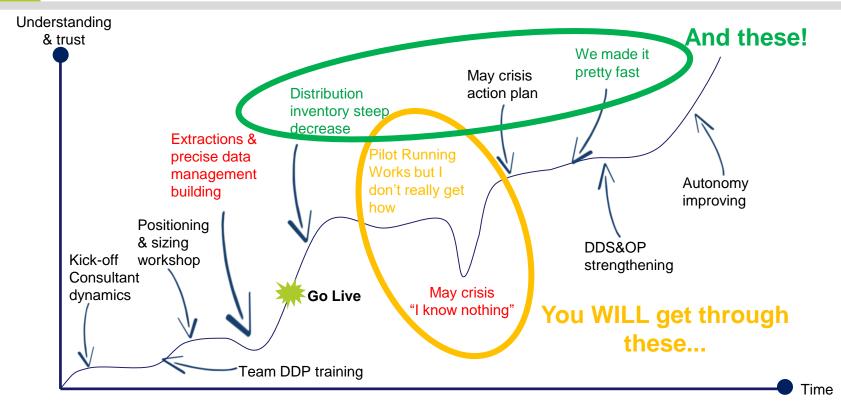
Prioritization through buffer statuses

rell



IMPLEMENT CHANGE ANTICIPATE YOUR LEARNING CURVE











IMPLEMENT CHANGE ANTICIPATE YOUR LEARNING CURVE



Attention points



- Strong project lead (results AND problemsolving oriented)
- Mindset change → prepare for shocks, consultants help.
- Constant, unfaltering sponsorship
- DDI compliant tool → great enabler, evolving with the Body of Knowledge

Our +

- Quality, purchasing, engineering very well on-boarded (serious gaming)
- 2 FTE for project mgt– 1 per site
- Audit of practices by consultants after 3



Our -

- Better prepare common language & translation of new KPIs in our words
- Mindset change is more important for manufacturing, gemba support is prevalent



SUSTAIN CHANGE IT IS JUST THE BEGINNING

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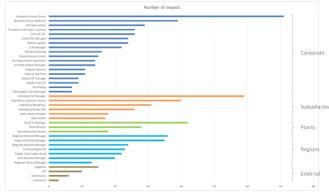
Find your tireless leader

Learn to sell to indomitable people



Be prepared







SUSTAIN CHANGE IT IS JUST THE BEGINNING



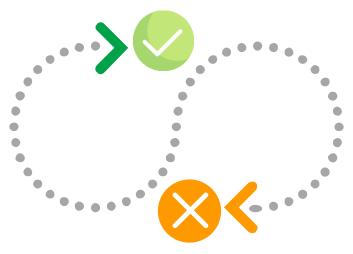
Attention points



- A transformation leader needed in the long run, with a rallying & promoting personality
- Learn to sell the concept
- Use your change allies in each function
- Measure impact & magnitude of change for next steps

Our +

- Keep project resources to anticipate roll-outs
- Regular communication aroused keen interest → build on success



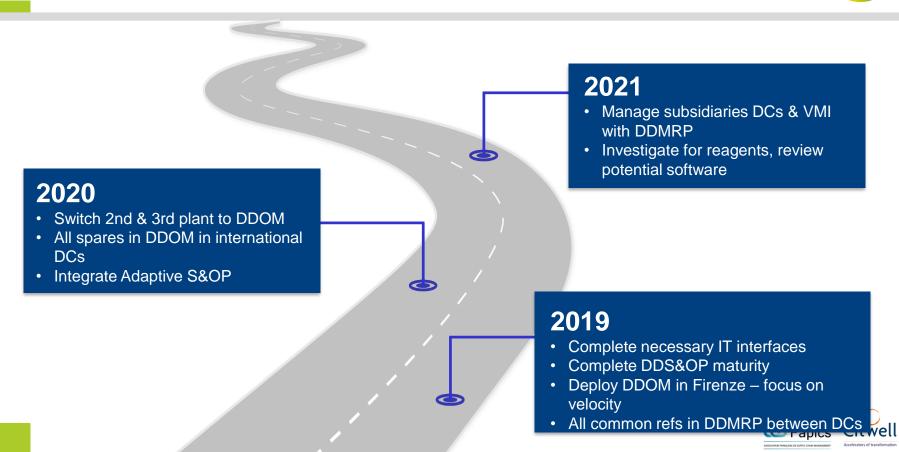
Our -

- Develop skills for buffer positioning
- Prepare for widening: internal training documents, project steps, pre-simulations...

NEXT STEPS

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GO FULL DEMAND DRIVEN FOR EQUIPMENTS & SPARES









THANKS FOR YOUR ATTENTION