

Teva's Global OPEX (Operational Excellence) Journey

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Agenda

- Introduction Teva & Teva Global Operations
- What is OPEX (Operational Excellence)?
- The story of OPEX in Teva
- OPEX in Teva Israel Operations
- Q&A

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About Teva

+110years of experience



Among the **10** top pharma companies







86 production sites



2015 Revenue - **\$19.7B**



80 countries100 markets



A strong **specialty** medicines portfolio



Teva, Pride of Israel

We are deeply rooted in Israel and it's culture for over **115** years

25% of Teva's global **sales** originate from an Israeli manufacturing



reva's academic
royalties payments account
for 12% of national high
education budget

Over **\$4B investment** in **R&D** and Innovation in the last decade

Teva is the leading company in Israel, contributing **14B** ILS a year



Teva is creating more than

21,000 di **jobs**



Teva is responsible for 15% of the industrial export of Israel



The only Israeli company

included in the list of 500 largest companies in the world -

Fortune 500





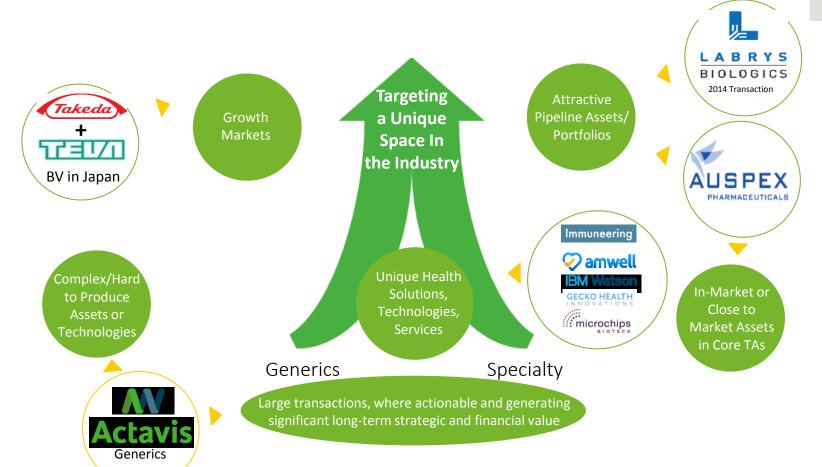


1 of 5 prescriptions in Israel are for a Teva medicine

5

Teva's business model, Targeting a Unique Space In The Industry

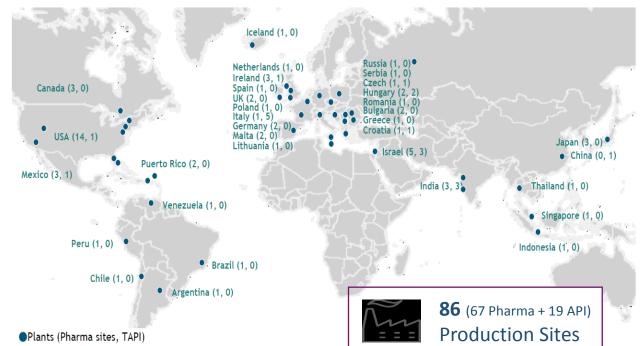






Teva Global Operations

The largest and most competitive fully integrated manufacturing and supply chain network in the industry





32,500 employees



34 Countries



100 Markets



3500 Drugs



50,000 SKUs



Teva Global Operations Objectives

- To be the **Best** fully **Integrated** & **Flexible** global Operational network (Pharma & API)
- 2 Emphasis on **Quality** in all aspects core competitive competency
- One of the most **Cost Competitive** Operational networks in the industry, through **Operational Excellence** implementation
- Fully prepared Infrastructure and Capabilities to address new era in the industry, as well as support Teva's growth and expansion
- People Above All Safety, Health, Careers and Wellbeing

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What is OPerational Excellance?



Program with the goal of delivering a **sustainable step change** in our operational **performance** on all dimensions





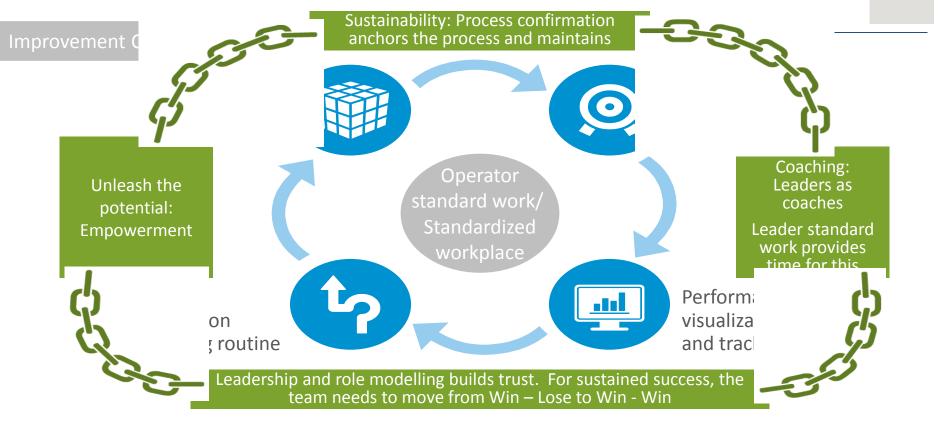
- Safety
- ✓ Quality
- ✓ Service
- ✓ Cost competitiveness

We do this by deploying our own **Production System** across our entire **network** that is focused on:

- Best in class systems, tools and processes
- Employee engagement and empowerment
- A mindset and culture of continuous improvement
- Creating our new way of working

How It Fits Together: OPEX





Creating the trust to move to a winning team: Leadership and role modelling

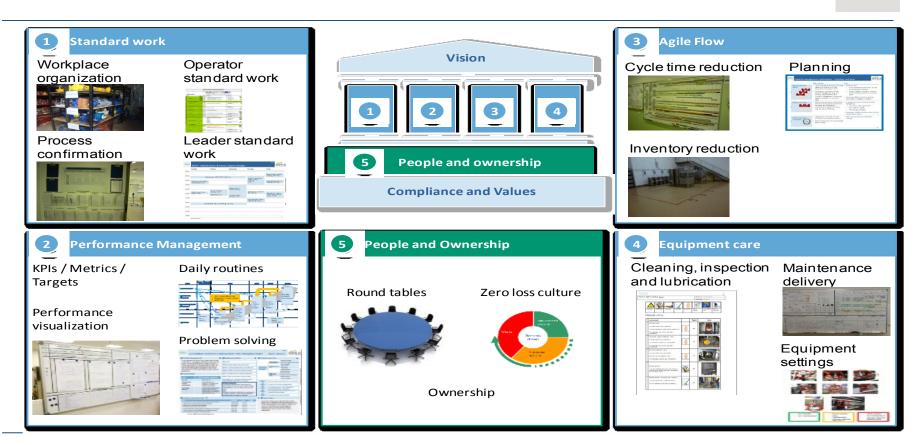
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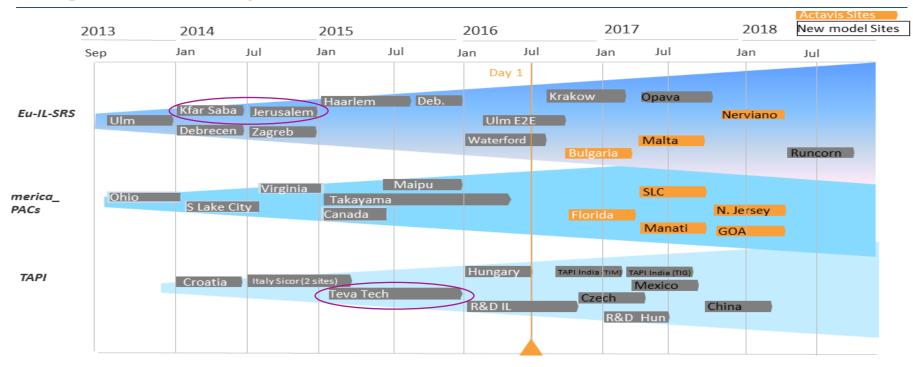
Teva Production System – 5 pillars to drive the way we operate







Original Roll out plan, with 7 new Actavis sites included



Required Enablers throughout roll out plan

Sustainability Enablers:

Transformation methodology, M&B training and leadership coaching

Governance & Control

PMO (transformation tracking, program communications, transformation governance, etc..)

OPEX is growing, shaping our future culture and our competitive edge - **Key achievements to date:**









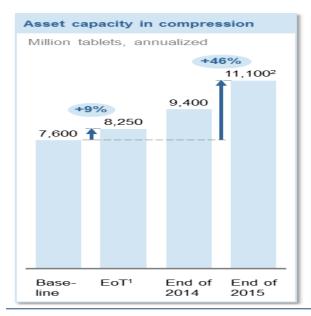
- More and more sites are part of the journey and sharing, helping each other
- OPEX mindset of leadership on site and across regions is stronger and stronger, new generation of leaders getting groomed to take it to another level
- OPEX Academies are boosting capabilities building all over the world and generating the army of problem solvers we need – soon OPEX M&B coaching will add to this effort
- OLT see more than ever OPEX as a strategic enabler to reach Teva north star and our competitive advantage in Supply chain Excellence by 2021

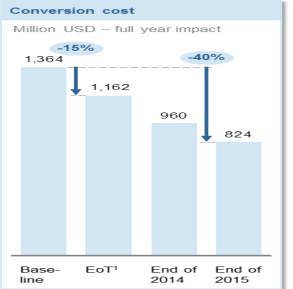


Second wave sites have shown great improvement as well - **Debrecen**



- Positive mindset motivates people to participate actively and drive changes forward
- A significant impact on productivity, efficiency and competitiveness







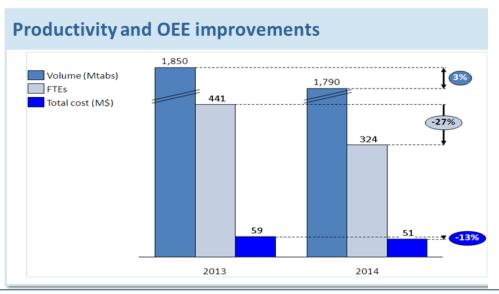


OPEX stories - In **Ohio**, significant impact

While notable double digit bottom line gains made, the Ohio OPEX transformation is much more than a cost savings initiative:

- Employees proud, energized and engaged work force
- Quality despite reduction in resources on all fronts, improved quality profile
- Site Viability making Ohio a more competitive site and challenging landscape





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Teva Israel Operations – Creating Value

Creating value – approx. 25% of

Teva sales

- Copaxone
- Azilect
- Inhalers
- Biological Products

Variety of technologies:

- Solids and capsules
- Sterile
- Inhalers
- API
- Medical Device
- Syrups





2,000 Products



4,400 Employees



9 sites6 production sites



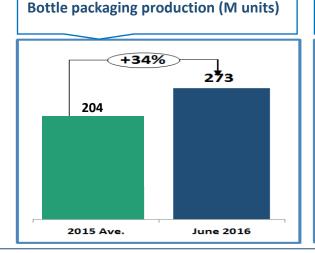
Supply to 60 markets

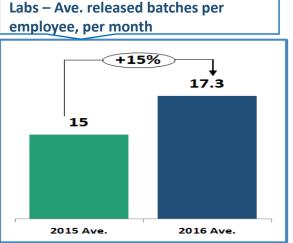
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OPEX achievements in Kfar Saba

- Managers embrace OPEX as a way of life, they 'Walk the Talk'
- Performance Boards, standards and Routines implemented
- Professional capability building
- Wide implementation of round table routines

H19% 130 109 June 2016

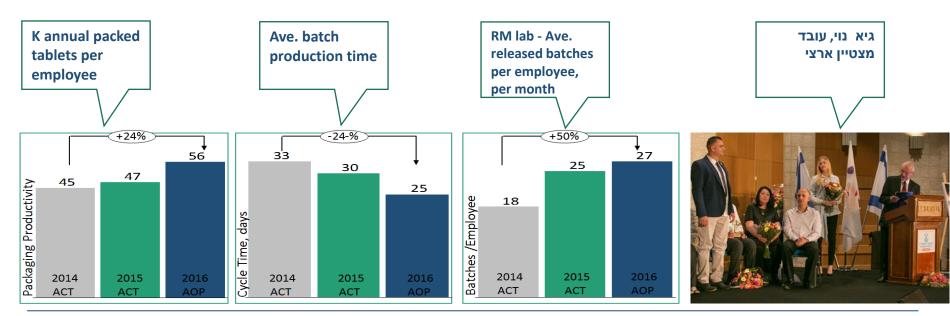






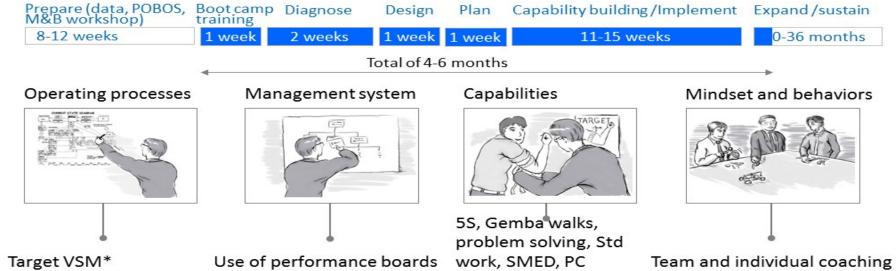
OPEX achievements in Jerusalem

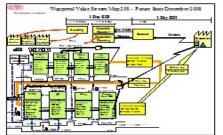
- Amazing things are happening at the Jerusalem site. Productivity is up in specific areas, Cycle time is down and employees are more energized than ever
- What sparked the changes? Operational Excellence (OPEX) and our employees' determination to be the best they can be



What does this look and feel like in a site?















Q&A







Thank You



Back Up



What is different about OPEX transformation?



	Typical Plant Improvement Approach	OPEX Transformation
1 Aspiration	 Evolutionary kaizen approach 3% to 5% improvement annually Not always linked to business targets 	 Radical initial step-change of ~30% followed by incremental improvement Direct link to business goals – 3 C's (Customer, Compliance, Cost/ cash flow)
2 Focus	 Main focus is on process excellence tools (6 Sigma, Lean etc.) 	 Integrated and holistic Operating system Management infrastructure Mindsets and behaviors
3 Implementation approach	Many independent smaller kaizens	 Mini-Transformations – focused and deep; 16 weeks, one value stream, ~100 FTEs max.
Scalable around the production system	 Approaches vary across network Inconsistent support resources 	 Scalable building blocks – repeatable mini-t methodology "multipliers" - change agents, pull forwards
		Common playbook
Sustainable capability building	 People training and certification – typically project based (eg. Process Excellence Belts) 	 Building change leaders All levels Technical and leadership development
26		 Expectation to drive performance and make changes sustainable

e.g :Ohio Site, beyond the numbers



Beyond the numbers, OPEX has allowed us to "give back" to the Packaging work force – <u>a higher quality of life!</u>:

- Consolidation to a single "nights" shift on Aug 4 (4 days/week x 10 hrs/day)
- Effectively plan for a transition to a single "days" shift (4 x 10) early in 2015

While notable double digit bottom line gains have been made, the Ohio OPEX transformation is much more than a cost savings initiative:

- <u>Employees</u> proud, energized and engaged work force!
- Quality despite reduction in resources on all fronts, improved quality profile
- <u>Teva Production System (TPS)</u> a standardized and tiered <u>road map to excellence</u> in Operations
- <u>Site Viability</u> making Ohio a more competitive site and challenging landscape