

Operational Excellence in der Instandhaltung @ Alpla

ÖVIA Webcast, 17.06.2020; Daniela Ebner



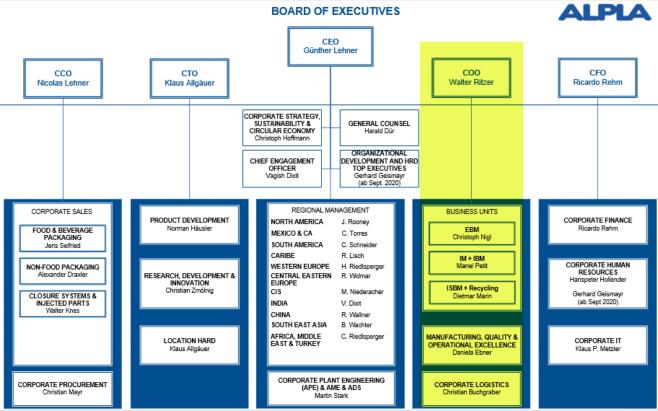


Market segments

Our high-quality packaging



Organization Chart



ALPLA NEXT

Operational Excellence

Definition

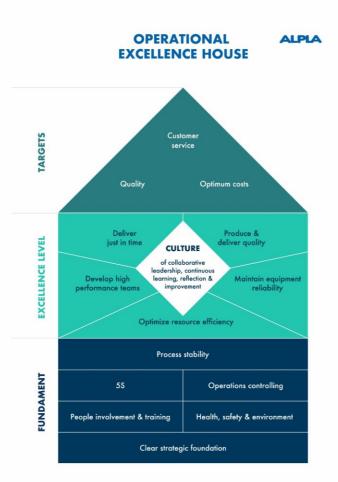
Operational Excellence at ALPLA stands for providing packaging solutions for our customers which consistently meet the required levels of service and quality at optimum costs.

The focus is on our core process "Manufacture, Store and Deliver Products" including all other associated support activities.

Vision

We create the appropriate environment to motivate our employees, empowering them to positively contribute to the operation's success.

Through OPEX we will increase customer satisfaction and improve our position as the preferred supplier in the marketplace.



NEXT is our program to achieve Operational Excellence!

NEXT is a **worldwide tailor-made program** that ALPLA introduced to implement the basic principles of Operational Excellence.

The **aim is a structured and efficient work environment** for our employees as well as the **continuous improvement** of our production and support processes.

This will help us to guarantee consistently good quality of our products at optimal costs.

The collaboration with customers and suppliers will be active and on a partnership basis.



Vision for "Maintain Equipment Reliability" (Alpla Maintenance System)

- All aspects of the maintenance system are designed to **maintain** the demanded **equipment** specific **reliability** and enable a maximum effective utilization (TEEP1) at optimum costs.
- All involved employees and managers strive to minimize maintenance related downtimes as well as maintenance and downtime costs through continuous improvement in efficiency and effectiveness.

Current status and targets for Maintenance Management Categories



Excellence Tools for Maintenance

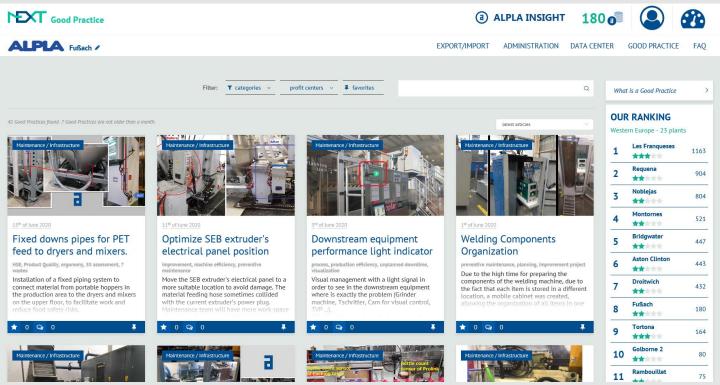
Methods, Tools and Routines	Maintenance strategy tool	Mobile maintenance	Preventive maintenance	ABC/XYZ analysis	Deep cleaning
	Spare parts mgmt. software	Autonomous maintenance	Data analysis	Maintenance Software	
	Standard Work	Root cause analysis	Kanban	OPL (One Point Lesson)	DMAIC
	Tag system	Visual Management	Poka Yoke	Risk analysis (e.g. FMEA)	

- 5S is in place in production.
- Spare parts management assuring availability of parts and inventory on regular basis.
- Stable maintenance organization; dedicated and qualified personnel.
- Maintenance processes are defined and executed at regular pre-determined intervals.
- Relevant maintenance history is recorded for future use.

Pre-

Requisites

Good Practice Exchange @ALPLA



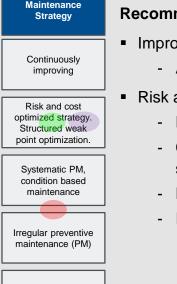
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Thank You, Vielen Dank, Merci Beaucoup, Muito Obrigado, Muchas Gracias, Grazie Mille, 谢谢, Спасибо, Dziękuję, شکرا, धन्यवाद

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Maintenance Strategy

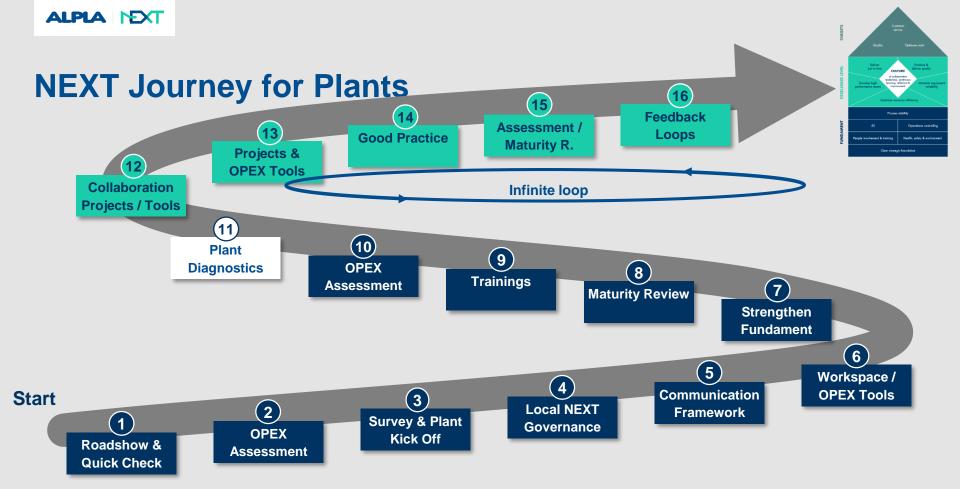


Recommendations

- Improvement of current and new equipment according to RAMS (reliability, availability, maintainability, safety)
 - A lot of activities on all levels, less coordination → develop standard, information exchange ...
- Risk and cost based maintenance strategy optimization for equipment
 - Develop approach with pilot plants
 - Centralized (corporate) optimization of maintenance strategy for standard equipment → define scenarios
 - Decentralized (local) optimization of maintenance strategy for special equipment
 - Integrate new maintenance plans in AM software

Breakdown maintenance

15 6/18/2020 ÖVIA / Industriemagazin Webcast Current status Target 2022 ... pilots in each region Target 2026 ... all plants



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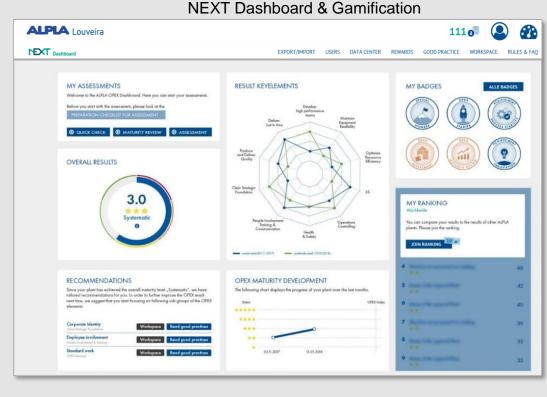
Highlights of NEXT

OPEX Assessment & Instant Feedback



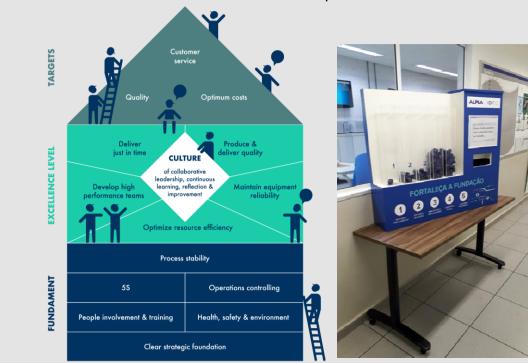


Highlights of NEXT



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Collaboration & People involvement