



Agenda

- > The Vitec Group & Vitec Imaging Solutions Division
- ➤ Operations Vision & Strategy
- ➤ Lean Manufacturing to Lean Industry 4.0 roadmap
- > Takeaways

The Vitec Group: our Divisions

VITEC PRODUCTION SOLUTIONS

Broadcasters, film and video production companies

> Anton/Bauer **Autocue & Autoscript Camera Corps** Litepanels **OConnor** Sachtler Vinten

VITEC **IMAGING** SOLUTIONS

Professional and enthusiast **Photographers and Videographers**

> **Avenger** Colorama Gitzo **JOBY** Lastolite Lowepro **Manfrotto**

VITEC **CREATIVE SOLUTIONS**

Independent Content Creators, Filmmakers

> **Paralinx RT Motion SmallHD Teradek** VitecEV **Wooden Camera**

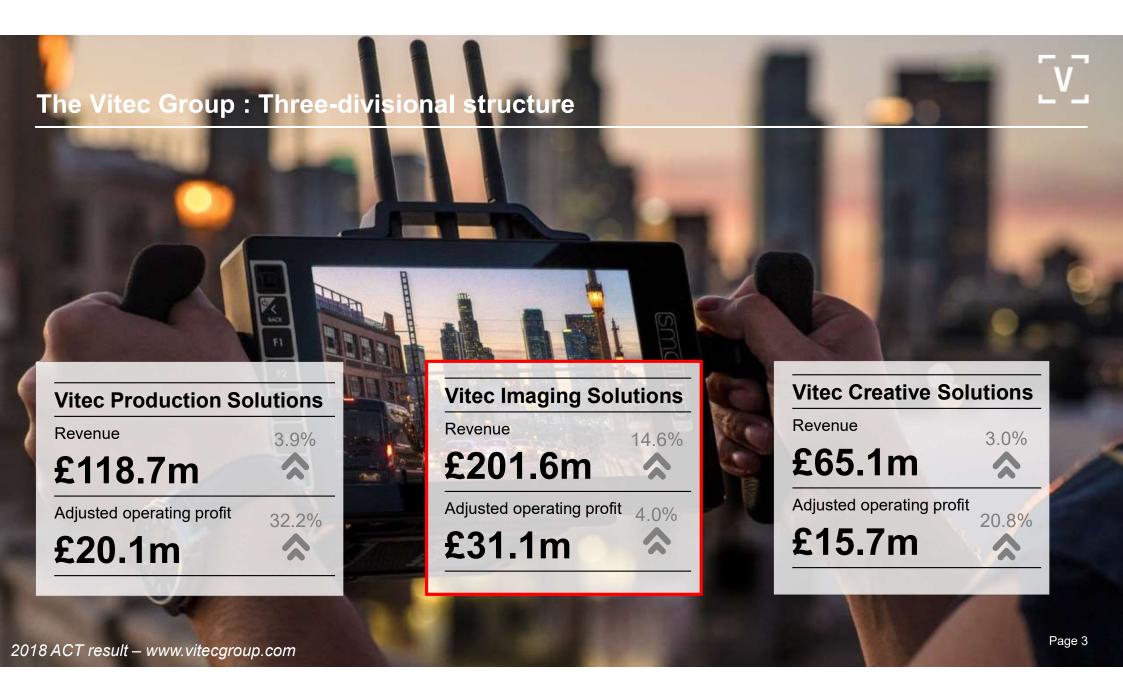












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What do we do – premium imaging accessories



^{*} Clockwise from top left: Lowepro: Flipside Trek BP 450 AW; Manfrotto: Noreg; National Geographic: Australia Collection; Gitzo: Adventury, Syrp: Magic Carpet Pro 3 Axis Kit; Lastolite: Skylite Rapid Kit; Manfrotto: Lykos; JOBY: GripTight Pro Telepod; GorillaPod Mobile Rig; Manfrotto: Befree advanced and PIXI Evo; Gitzo: Traveler a tripod; Avenger: Wind Up stand; Manfrotto: Xume filters.

Vision & Strategy

The VISION is to BE THE OPERATIONAL EXCELLENCE MANUFACTURING UNIT IN THE PHOTO/VIDEO SUPPORTS and LIGHTING CONTROL INDUSTRY, delivering the GOAL of BEST CUSTOMER SATISFACTION

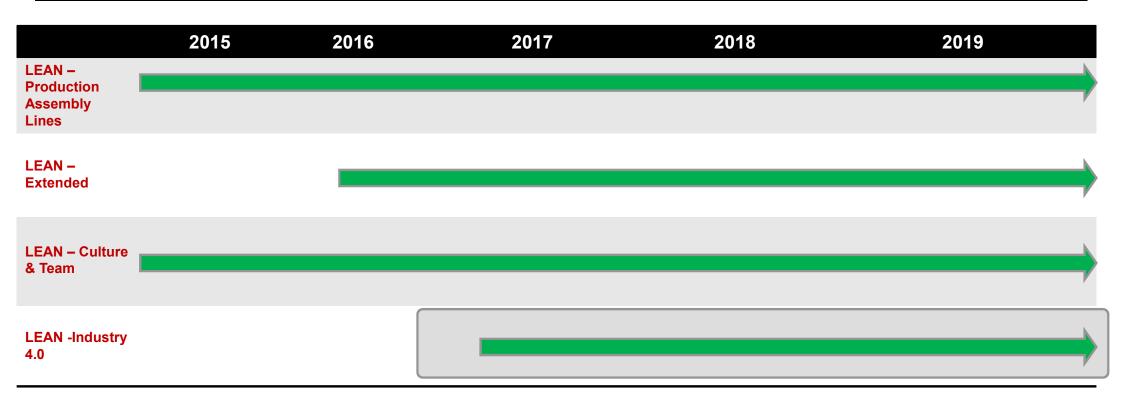
The STRATEGY is to continue and develop further LEAN MANUFACTURING in CULTURE, ORGANIZATION and PROCESS, EMPOWERING the CORE BUSINESS COMPETENCES

Strategy Pillars:

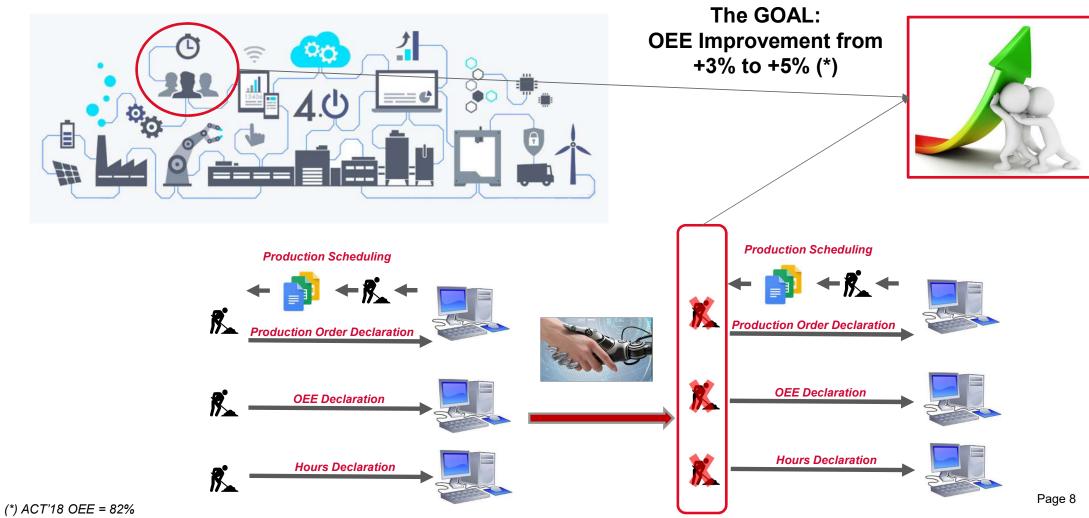
- "Made in Italy" platform best in Service and Quality
- > Lean Industry 4.0 and continuous improvement
- Key industrial process insourcing and Innovation through the "Pioneering Lab"



From Lean Manufacturing to Lean Industry 4.0

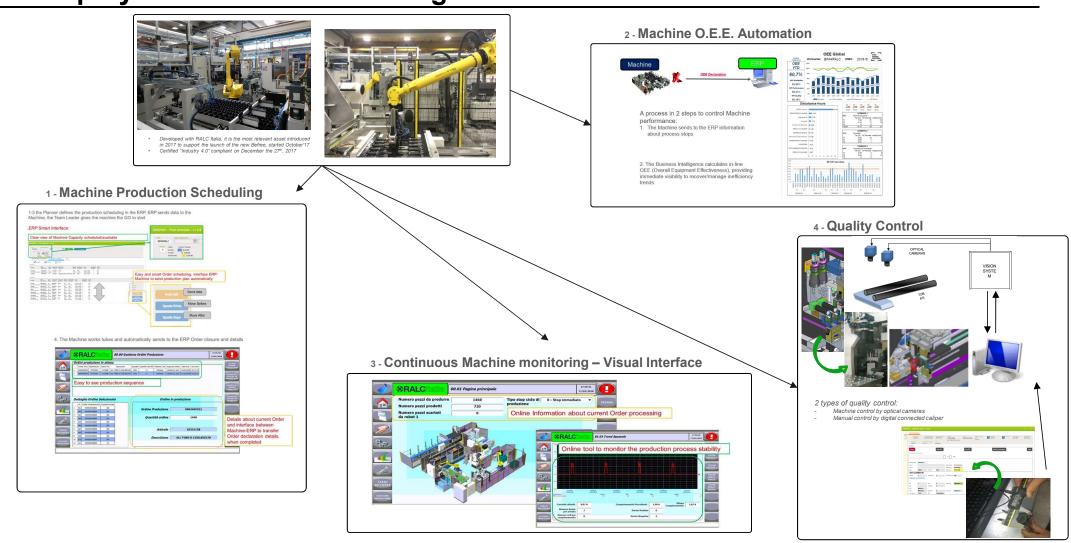


Lean Industry 4.0 – 2018 to 2020 GOAL



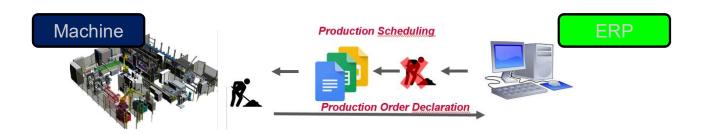
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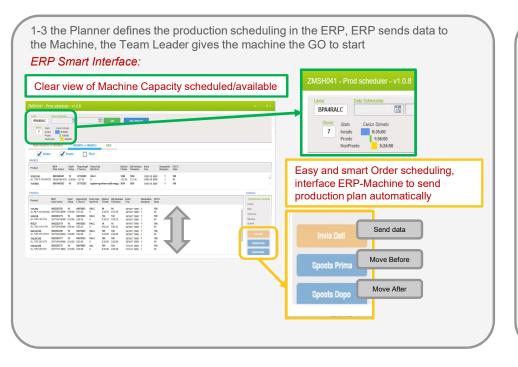
4.0 Deployment: Tubes Machining line

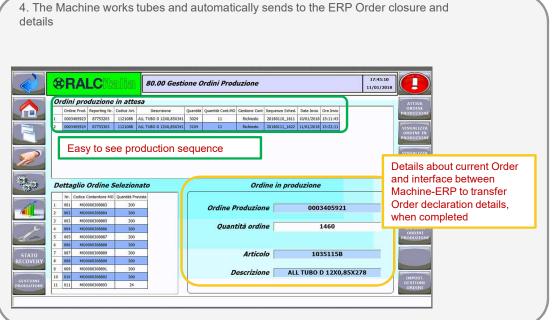


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1 - Machine Production Scheduling







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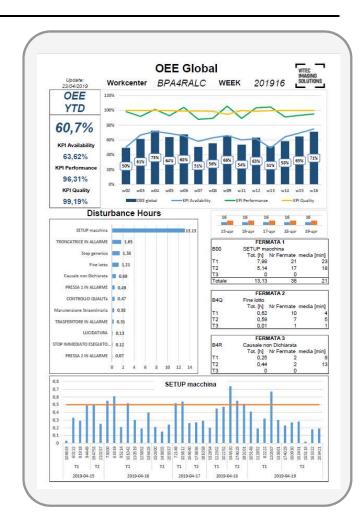
2 - Machine O.E.E. Automation



A process in 2 steps to control Machine performance:

- 1. The Machine sends to the ERP information about process stops
- 2. The Business Intelligence calculates in-line OEE (Overall Equipment Effectiveness), providing immediate visibility to recover/manage inefficiency trends

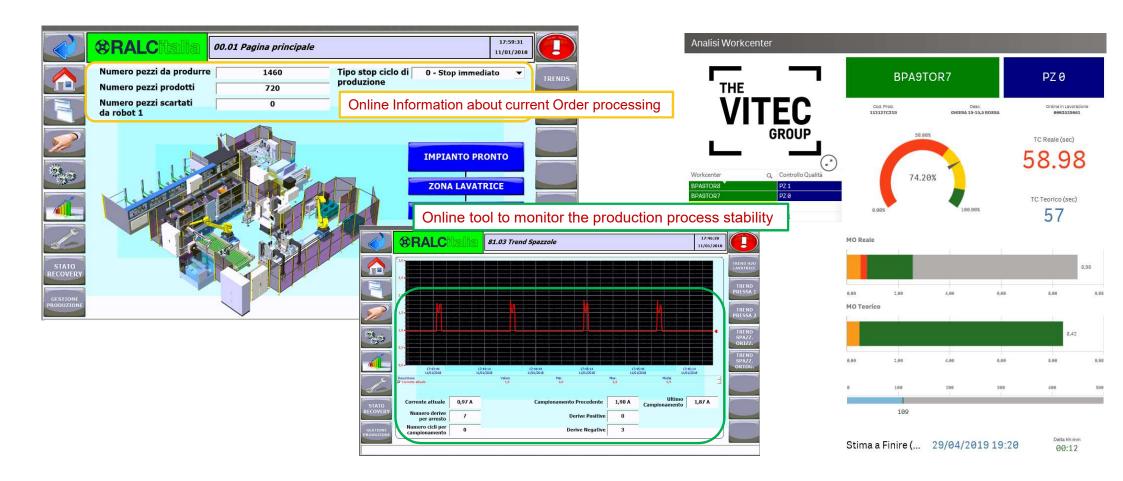




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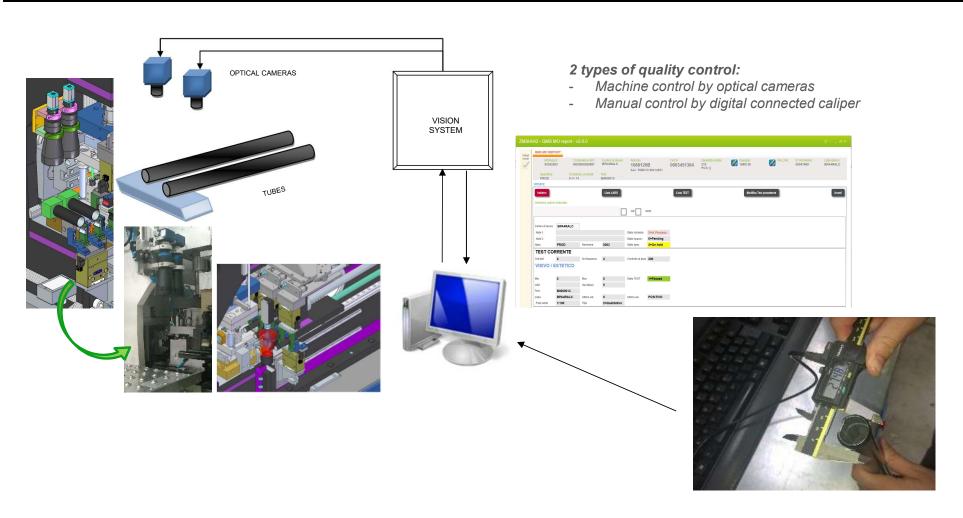
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3 - Continuous Machine monitoring – Visual Interface



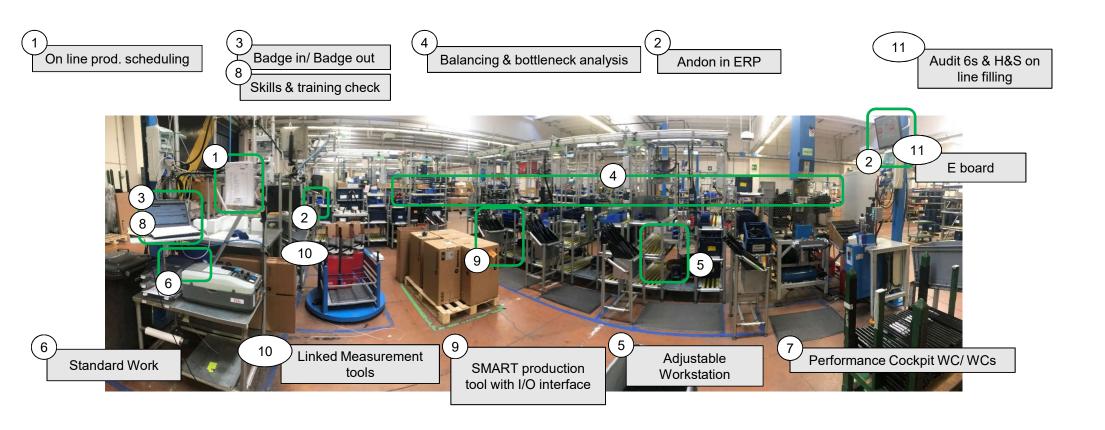
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4 - Quality Control



Lean Industry 4.0 – next steps (2020-2022), Assembly







- ➤ The challenge is on People, not on Technology Technology is a commodity
- ➤ OEE: **our first implementation was a failure**, we started from the «number» not from the «user» → from failure to quick learning is a must
- ➤ 4.0 enables value creation on clear and stable processes → LEAN first, 4.0 second

Thank you!