







Production Machinery reloaded: productivity and technology fit towards Industry 5.0

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Edge Computing introduces IT-mechanisms to the shop-floor to provide local data processing and -analytics capabilities in the easiest way









Provides decentralized and **local** data

- acquisition,
- storage,
- analytics and
- transfer

capabilities

Increases flexibility by allowing to deploy any software fast and reliably on to the shop-floor

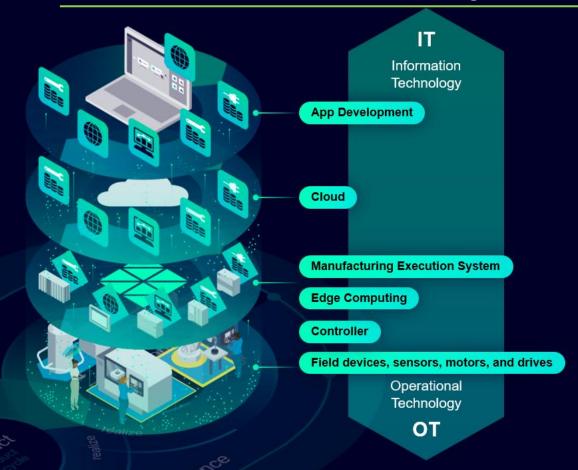
Reduces complexity and IT-costs by providing Edge device and -application lifecycle management functionalities

Allows secure data handling within production and reduces costs for cloud data transfers



From Sensor to Edge to Cloud

Bringing together OT and IT – Data intelligence for data-driven decision making





GEA PEM - PAVAN SPA



GEA at a glance

EBITDA margin **Dividend proposal Employees** Order intake **EBITDA** (%) 4.703 13.3 0.90 18,143 Full-time equivalents Previous year: 18,232 percent of revenue Previous year: EUR 532 million All figures are from fiscal year 2021





Food & Healthcare **Technologies Division**

Safe foods and medicines for a growing population

Pasta, Extrusion & Milling . Bakery . Slicing & Packaging Food Solutions , Frozen Food , Pharma & Healthcare

Food & Healthcare Technologies provide solutions for food processing. This covers preparation, marinating and further processing of meat, poultry, seafood and vegan products, in addition to processing lines for pasta, baked goods, snacks, breakfast cereals, confectionery and pet food. GEA also offers equipment for freezing, slicing and packaging of food and milling.

GEA solutions for the pharmaceutical & nutraceutical industry include components, equipment and entire plants for processing solid, liquid as well as semi-solid products

and high potent drugs either for batch or continuous production.

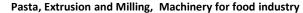
restructuring measures 937 100

EUR million Previous year: EUR 79 million

10.7

EBITDA margin before restructuring measures

3,577



MASSIMO LENTI - Vice President Engineering & Innovation



The machinery production is constantly evolving by using new technology and facing new challenges due to industry and market scenarios: as GEA,

 we are designing a new fit to match high productivity and sustainable productivity that's because nowadays the available technological offer is pretty wide and to find a suitable business case may not an easy task. The technological sustainability is approached by proper connectivity system architectures

 by introducing latest enablers like EDGE, IT protocols, Cybersecurity protocols and new generation sensors but most important topic is about Business Intelligence software and algorithm, Platform agnostic approach.

 to let Customers to be able to take actions and decisions to run business operation on time and on cost targets and looking at Machinery "Life-Cycle-Cost".





Energy Management Factory engineering (remote and realtime)







GEA PAVAN monitoring system

